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Ohio Labor Market Information Review

May 1989

Summary. Ohio's seasonally adjusted unemployment rate in May, at 5.4 percent, was unchanged from April. The U. S. unemployment rate decreased from 5.3 percent in April to 5.2 percent in May. Total employment in Ohio rose 45,000 to 5,138,000. There were 296,000 jobless Ohioans in May, up 8,000 from April. Seasonally adjusted nonagricultural payroll employment in Ohio increased 3,000 from April to 4,781,000. Increases in nonmanufacturing employment outweighed declines in manufacturing industries. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,108,000 in May, was down 2,000 from April. Losses in stone, clay, and glass products and transportation equipment were partially offset by advances in nonelectrical machinery, lowering durable-goods employment 1,000 to 748,000. Employment in nondurable-goods industries fell 2,000 to 360,000 due to declines in rubber and miscellaneous plastics products, food and kindred products, and paper and allied products.

Nonmanufacturing. Nonmanufacturing employment rose 5,000 from April to 3,673,000 in May. Services, up 4,000, had the largest gain. Retail trade and government increased 1,000 each. There was a loss of 1,000 jobs in construction. Employment in mining, transportation and public utilities, wholesale trade, and finance, insurance, and real estate was unchanged from April.

Over the Year. Ohio's unemployment rate dropped from 6.1 percent in May 1988 to 5.4 percent in May 1989. Nationally, the rate declined from 5.6 percent to 5.2 percent during the same period. Total employment in Ohio increased 178,000 from May 1988 to May 1989, while total unemployment fell 28,000. Nonfarm wage and salary employment rose 119,000 from May 1988. Employment in services was up 46,000; retail trade added 31,000 jobs; construction employment advanced 14,000. Gains in durable-goods industries boosted manufacturing employment 7,000. All other divisions had small increases, except mining, which was unchanged.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries had average weekly earnings of $523.87 in May, up $2.50 from April. Their average workweek of 42.8 hours was slightly longer. Most industries had increased earnings due to more overtime. The most significant ones were motor vehicles and equipment, blast furnace and basic steel products, and miscellaneous plastics products.

Benefits and Costs. There were 44,273 initial claims filed under the Ohio Unemployment Compensation Law in May, up 25.9 percent from April, and up 17.0 percent from May 1988. The average weekly number of benefit recipients, at 67,880, was down 18.0 percent from April,

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

and down 1.5 percent from May 1988. At the end of May there were 203,010 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 37,610 new job applicants in May, up 7.2 percent from April, and up 5.8 percent from May 1988. The number of job openings received from employers fell 20.5 percent to 11,846. The Employment Services Division made 25,003 job referrals and 5,429 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689 or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1989	April 1989	May 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,434	5,381	5,284	53	150	1.0	2.8
Employment	5,138	5,093	4,960	45	178	0.9	3.6
Unemployment	296	288	324	8	-28	2.8	-8.6
Unemployment Rate	5.4	5.4	6.1				
Employer Survey Data[e]							
Total	4,781	4,778	4,661	3	119	0.1	2.6
Manufacturing	1,108	1,110	1,100	-2	7	-0.2	0.7
Durable Goods	748	748	742	-1	6	-0.1	0.8
Nondurable Goods	360	362	359	-2	1	-0.5	0.3
Nonmanufacturing	3,673	3,668	3,561	5	112	0.1	3.1
Mining	19	19	19	0	0	0.1	-0.0
Construction	196	196	182	-1	14	-0.3	7.6
Transportation and Public Utilities	214	215	211	0	3	-0.1	1.5
Wholesale Trade	261	261	253	0	8	0.1	3.1
Retail Trade	902	902	871	1	31	0.1	3.5
Finance, Insurance, and Real Estate	255	255	249	0	6	0.1	2.2
Services	1,129	1,125	1,083	4	46	0.3	4.2
Government	697	695	692	1	5	0.2	0.7
Goods Producing Industries[f]	1,323	1,326	1,302	-3	21	-0.2	1.6
Service Producing Industries[g]	3,458	3,452	3,360	6	98	0.2	2.9

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.
[b]Changes are computed from unrounded numbers.
[c]Percentages are computed from unrounded numbers.
[d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.
[e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.
[f]Includes Mining, Construction, and Manufacturing.
[g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1987
5,290	4,897	393	7.4	6.3	May
5,261	4,885	376	7.1	6.1	June
5,272	4,895	377	7.2	6.0	July
5,242	4,877	365	7.0	6.0	August
5,213	4,921	292	5.6	5.9	September
5,231	4,910	321	6.1	6.0	October
5,270	4,946	324	6.1	5.9	November
5,279	4,949	330	6.3	5.8	December
					1988
5,324	4,981	343	6.4	5.8	January
5,355	5,014	341	6.4	5.7	February
5,369	4,974	395	7.4	5.6	March
5,301	4,970	331	6.2	5.5	April
5,284	4,960	324	6.1	5.6	May
5,306	4,994	312	5.9	5.4	June
5,294	5,004	290	5.5	5.4	July
5,329	5,028	301	5.6	5.6	August
5,311	5,004	307	5.8	5.4	September
5,349	5,049	300	5.6	5.3	October
5,366	5,059	307	5.7	5.4	November
5,355	5,060	295	5.5	5.3	December
					1989
5,426	5,094	332	6.1	5.4	January
5,432	5,152	280	5.2	5.1	February
5,428	5,144	284	5.2	5.0	March
5,381	5,093	288	5.4	5.3	April
5,434	5,138	296	5.4	5.2	May

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

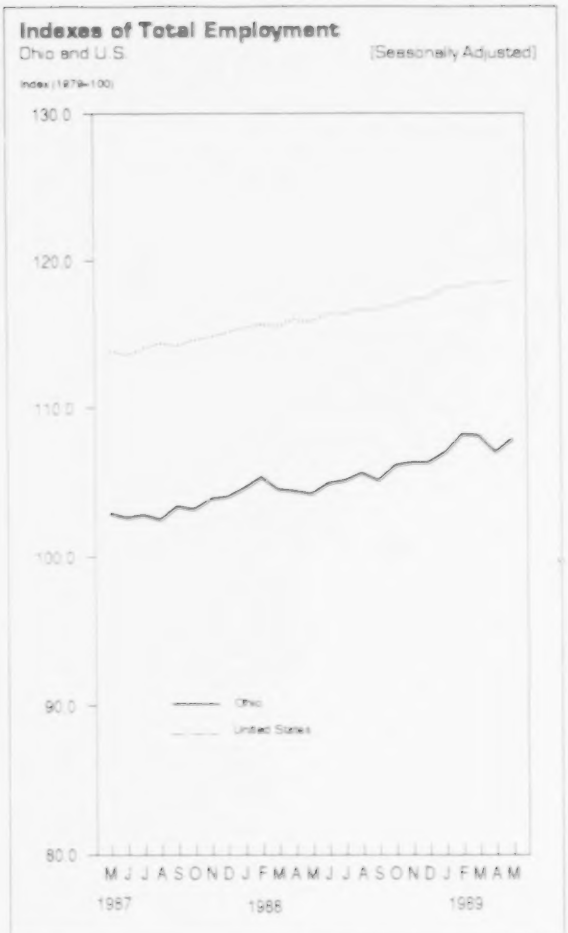
Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
				1987
4,563	1,096	738	358	May
4,568	1,093	736	357	June
4,576	1,091	732	359	July
4,588	1,098	739	359	August
4,596	1,101	743	358	September
4,617	1,105	745	360	October
4,631	1,106	746	360	November
4,650	1,110	748	362	December
				1988
4,637	1,104	744	360	January
4,644	1,103	743	359	February
4,653	1,097	737	360	March
4,656	1,101	742	360	April
4,661	1,100	742	359	May
4,671	1,102	742	360	June
4,676	1,101	742	359	July
4,680	1,100	741	358	August
4,691	1,103	743	359	September
4,704	1,105	746	360	October
4,721	1,110	750	361	November
4,733	1,111	750	362	December
				1989
4,764	1,122	757	364	January
4,772	1,118	754	364	February
4,777	1,114	751	363	March
4,778	1,110	748	362	April
4,781	1,108	748	360	May

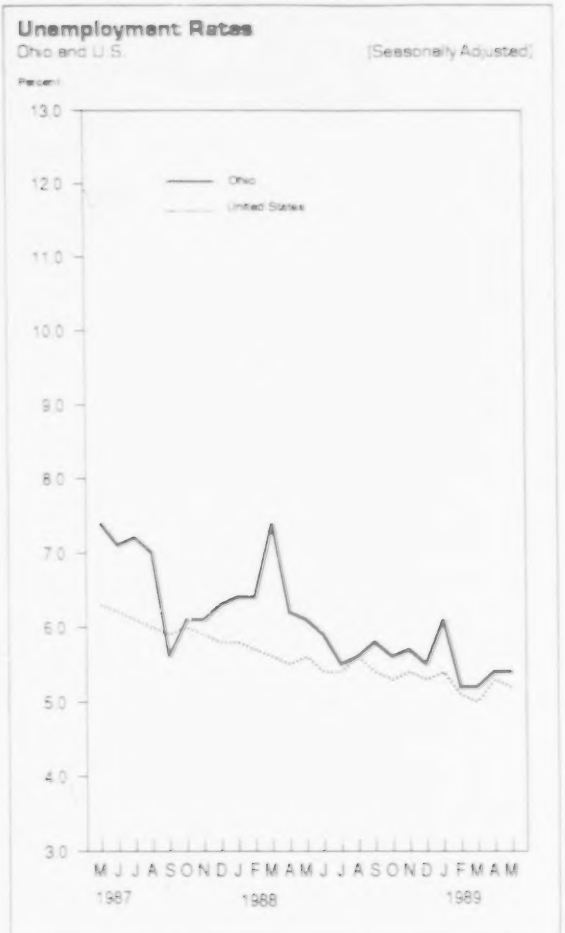
Nonmanufacturing Employment

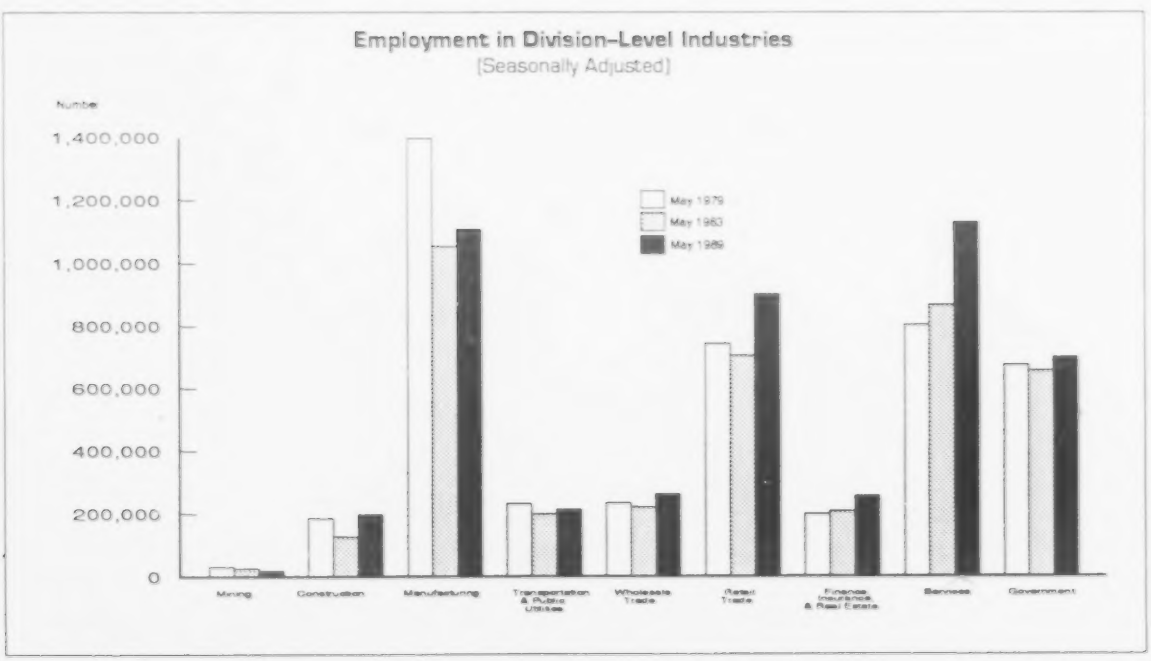
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1987				
3,467	21	174	207	247	May	844	243	1043	688
3,475	21	176	207	247	June	845	244	1048	688
3,484	20	178	209	248	July	847	244	1053	685
3,490	21	176	209	248	August	849	245	1055	687
3,495	20	177	209	249	September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
					1988				
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
					1989				
3,642	19	196	213	259	January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,673	19	196	214	261	May	902	255	1129	697

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indexes of Total Employment
Ohio and U.S.
[Seasonally Adjusted]
Index (1979=100)
130.0
120.0
110.0
100.0
90.0
80.0
Ohio
United States
M J J A S O N D J F M A M J J A S O N D J F M A M
1987
1988
1989


Unemployment Rates
Ohio and U.S.
[Seasonally Adjusted]
Percent
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
Ohio
United States
M J J A S O N D J F M A M J J A S O N D J F M A M
1987
1988
1989


Employment in Division-Level Industries
[Seasonally Adjusted]
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
May 1979
May 1983
May 1989
Mining
Construction
Manufacturing
Transportation & Public Utilities
Wholesale Trade
Retail Trade
Finance, Insurance & Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,254	4,887	367	7.0	6.2	1987
5,328	5,008	320	6.0	5.5	1988
					1988
5,269	4,966	303	5.8	5.4	May
5,353	5,028	325	6.1	5.5	June
5,366	5,093	274	5.1	5.5	July
5,376	5,076	301	5.6	5.4	August
5,287	4,985	302	5.7	5.2	September
5,365	5,087	278	5.2	5.0	October
5,400	5,113	287	5.3	5.2	November
5,352	5,066	286	5.4	5.0	December
					1989
5,384	5,015	369	6.9	6.0	January
5,380	5,063	317	5.9	5.6	February
5,375	5,068	307	5.7	5.2	March
5,357	5,085	273	5.1	5.1	April
5,419	5,143	277	5.1	5.0	May

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	990.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,582.6	1,098.9	740.4	358.4	1987
4,683.0	1,103.1	743.6	359.6	1988
				1988
4,692.3	1,100.5	743.2	357.3	May
4,715.4	1,107.6	746.9	360.7	June
4,678.8	1,100.8	741.5	359.4	July
4,679.1	1,102.1	740.5	361.6	August
4,731.7	1,110.5	745.6	364.9	September
4,757.7	1,110.3	747.8	362.5	October
4,834.7	1,115.7	753.3	362.3	November
4,781.8	1,115.1	752.5	362.6	December
				1989
4,669.0	1,112.2	751.4	360.8	January
4,671.4	1,107.3	747.9	359.4	February
4,707.6	1,106.9	748.1	358.8	March
4,761.0	1,107.1	748.4	358.7	April
4,812.4	1,107.9	749.4	358.5	May

Nonmanufacturing Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
3,017.7	29.0	176.6	225.0	226.0	1978
3,102.5	31.6	182.9	232.1	232.8	1979
3,103.0	30.7	167.4	223.1	230.6	1980
3,085.1	30.7	153.7	217.2	232.5	1981
3,024.4	30.3	134.6	206.8	226.0	1982
3,026.5	26.6	130.8	198.5	222.5	1983
3,133.1	27.8	144.8	203.9	236.7	1984
3,248.6	26.1	154.0	202.7	243.7	1985
3,361.6	22.6	160.7	203.4	244.3	1986
3,483.7	20.9	176.4	207.8	248.0	1987
3,579.8	19.5	183.6	211.5	254.3	1988
					1988
3,591.8	19.2	182.8	211.5	253.5	May
3,607.8	19.6	191.2	213.1	255.8	June
3,578.0	19.8	199.5	213.4	256.1	July
3,577.0	19.8	202.5	213.9	256.3	August
3,621.2	19.8	202.0	214.8	256.5	September
3,647.4	19.8	203.0	215.0	258.4	October
3,719.0	19.7	197.4	214.7	258.5	November
3,666.6	19.5	188.0	215.3	259.1	December
					1989
3,556.9	18.9	167.0	208.7	256.9	January
3,564.1	18.6	162.2	208.5	256.9	February
3,600.8	18.7	170.8	209.7	257.8	March
3,653.9	19.0	184.7	212.8	259.7	April
3,704.5	19.2	196.7	214.5	261.4	May

Retail Trade	Finance, Insurance, & Real Estate	Services	Government	
730.4	191.1	772.1	667.5	1978
742.4	200.6	806.2	674.0	1979
726.6	203.8	830.9	689.9	1980
717.7	205.8	851.6	676.0	1981
703.4	206.4	857.3	659.6	1982
711.0	207.8	873.3	656.1	1983
748.0	211.5	905.2	655.2	1984
787.9	219.3	949.5	665.2	1985
818.6	232.3	1,001.0	678.9	1986
848.3	243.8	1,051.2	687.3	1987
876.5	249.8	1,087.8	696.8	1988
				1988
873.2	249.0	1,092.8	709.9	May
879.7	251.4	1,104.1	692.9	June
881.1	252.8	1,103.1	652.2	July
886.2	253.3	1,104.7	640.3	August
888.2	251.8	1,109.8	678.3	September
891.8	252.1	1,105.1	702.2	October
906.0	252.1	1,102.1	768.5	November
921.4	252.4	1,101.0	710.0	December
				1989
877.0	250.3	1,083.4	694.5	January
867.2	250.8	1,091.8	708.0	February
876.3	251.5	1,103.0	712.9	March
889.8	253.1	1,125.5	709.3	April
904.1	254.6	1,139.2	714.8	May

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,100.5	743.2	357.3
1,107.6	746.9	360.7
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.1	748.4	358.7
1,107.9	749.4	358.5

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1978	985.5	$302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	759.1	391.7	32.6
1988			
May	757.3	391.1	32.6
June	762.4	397.8	33.0
July	754.9	379.4	31.9
August	756.7	382.1	32.1
September	765.9	399.6	33.2
October	765.5	400.4	33.1
November	771.1	410.1	33.7
December	770.1	411.5	33.7
1989			
January	766.2	404.1	33.1
February	762.0	400.1	32.8
March	761.4	400.2	32.7
April	761.4	397.0	32.5
May	761.2	398.8	32.6

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods
$306.91	$316.83	$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
516.43	540.27	460.90
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
521.37	542.59	473.71
523.87	545.58	472.99

Production Worker Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1978	42.1	42.3	41.5
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1988			
May	43.0	43.5	41.9
June	43.3	43.9	42.2
July	42.3	42.6	41.8
August	42.4	42.7	41.8
September	43.3	43.7	42.5
October	43.3	43.7	42.3
November	43.7	44.2	42.6
December	43.8	44.2	42.9
1989			
January	43.2	43.7	42.1
February	43.0	43.5	41.9
March	42.9	43.5	41.6
April	42.7	43.2	41.7
May	42.8	43.3	41.6

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1978	$ 7.29	$ 7.49	$ 6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	12.00	12.41	11.03
1988			
May	12.01	12.42	11.00
June	12.05	12.48	11.01
July	11.88	12.25	11.04
August	11.91	12.30	11.01
September	12.05	12.48	11.05
October	12.08	12.51	11.06
November	12.17	12.62	11.09
December	12.20	12.62	11.18
1989			
January	12.21	12.61	11.22
February	12.21	12.59	11.28
March	12.25	12.63	11.31
April	12.21	12.56	11.36
May	12.24	12.60	11.37

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

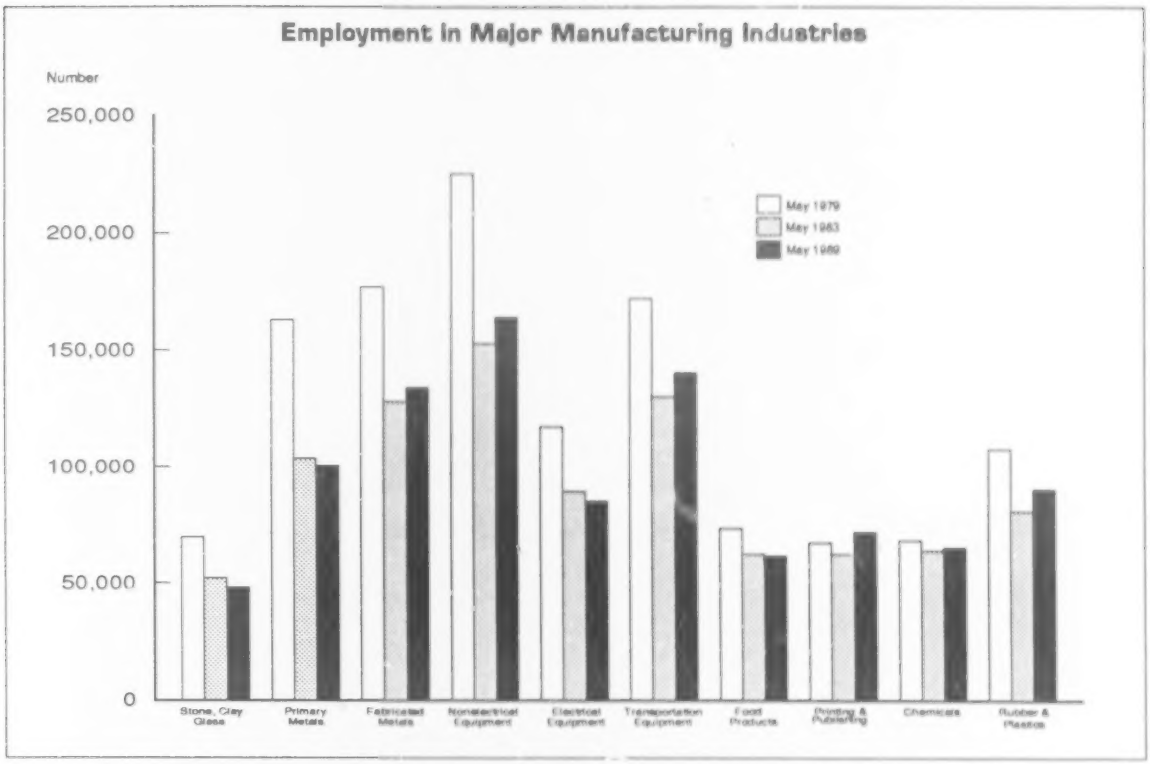
Employment
(thousands)

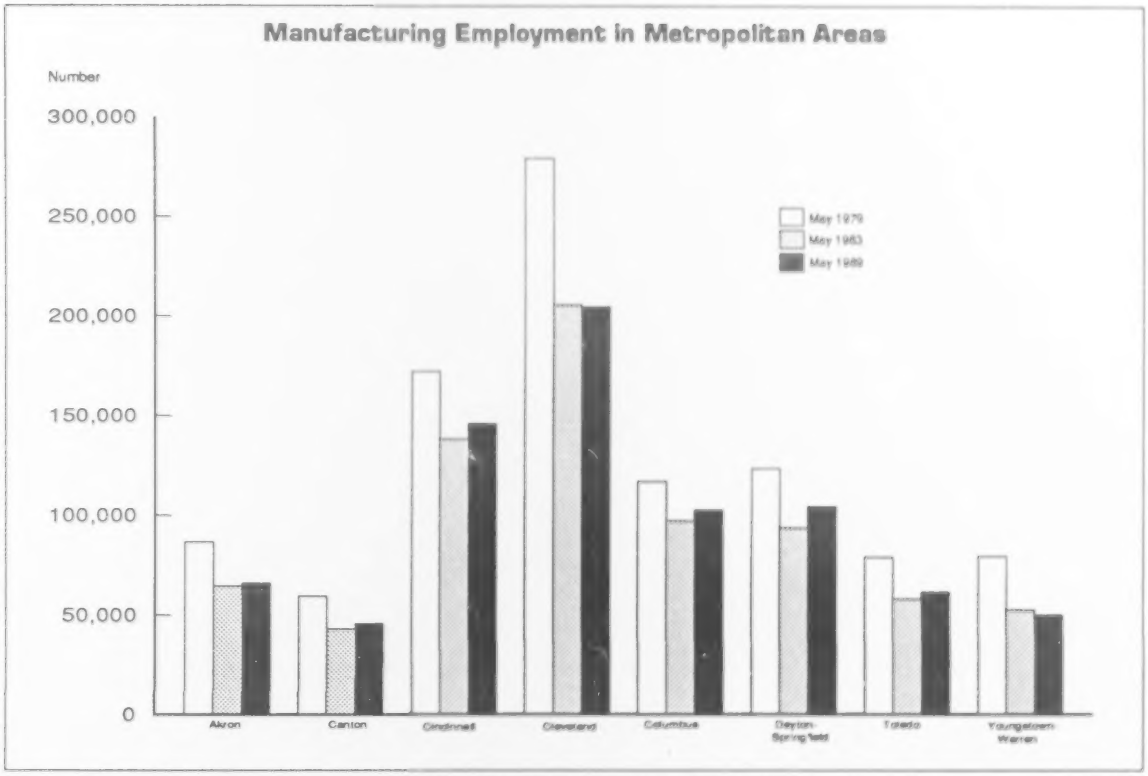
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.1	100.2	133.7	May	163.7	85.0	140.1	May	61.4	71.6	90.0

Average Weekly Earnings of Production Workers

$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988			1988	1988			
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989			1989	1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
470.13	633.92	515.82	May	536.99	464.67	690.20	May	454.95	444.24	457.09

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


Employment in Major Manufacturing Industries
Number
250,000
200,000
150,000
100,000
50,000
0
May 1979
May 1983
May 1989
Stone, Clay Glass
Primary Metals
Fabricated Metals
Nonelectrical Equipment
Electrical Equipment
Transportation Equipment
Food Products
Printing & Publishing
Chemicals
Rubber & Plastics


Manufacturing Employment in Metropolitan Areas
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
May 1979
May 1983
May 1989
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton-Springfield
Toledo
Youngstown-Warren

Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	4812.4	4761.0	4692.3	51.4	120.1
Manufacturing	1107.9	1107.1	1100.5	.8	7.4
Durable Goods[e]	749.4	748.4	743.2	1.0	6.2
Lumber and wood products	24.0	23.5	21.8	.5	2.2
Furniture and fixtures	14.8	15.1	15.0	-.3	-.2
Stone, clay, and glass products	48.1	48.0	48.0	.0	.0
Glass and glassware, pressed or blown	8.7	8.9	8.7	-.2	.0
Primary metal industries	100.2	100.1	100.0	.1	.3
Blast furnace and basic steel products	45.3	44.9	46.0	.4	-.7
Iron and steel foundries	20.1	20.2	19.6	-.1	.6
Nonferrous rolling and drawing	17.4	17.7	17.5	-.3	-.1
Fabricated metal products	133.7	133.5	133.5	.2	.2
Cutlery, hand tools, and hardware	9.8	9.9	10.2	-.1	-.4
Fabricated structural metal products	28.2	28.2	28.1	.0	.1
Metal forgings and stampings	41.1	41.0	41.8	.1	-.7
Machinery, except electrical	163.7	163.2	157.1	.5	6.6
Construction and related machinery	13.7	13.7	13.4	.0	.3
Metalworking machinery	42.8	42.7	41.0	.2	1.9
Special industry machinery	18.3	18.3	17.1	.0	1.2
General industrial machinery	28.9	28.7	28.1	.1	.8
Office and computing machines	12.3	12.2	12.8	.1	-.5
Refrigeration and service machinery	16.3	16.2	15.9	.1	.4
Electric and electronic equipment	85.0	85.4	86.3	-.4	-1.2
Electrical industrial apparatus	17.6	17.6	16.9	.0	.8
Household appliances	15.1	15.1	15.9	-.1	-.9
Electric lighting and wiring equipment	16.9	17.1	17.1	-.3	-.3
Communication equipment	9.2	9.2	9.5	.0	-.3
Transportation equipment	140.1	140.3	142.7	-.1	-2.6
Motor vehicles and equipment	95.3	95.3	95.5	.0	-.3
Aircraft and parts	36.1	36.2	38.7	-.1	-2.6
Instruments and related products	24.7	24.4	24.1	.3	.6
Measuring and controlling devices	13.4	13.2	13.3	.2	.0
Nondurable Goods[f]	358.5	358.7	357.3	-.2	1.2
Food and kindred products	61.4	61.2	61.3	.2	.1
Meat products	8.7	8.7	8.7	.1	.0
Dairy products	9.4	9.3	9.6	.1	-.2
Preserved fruits and vegetables	11.6	11.5	11.0	.0	.5
Bakery products	9.3	9.5	9.4	-.2	-.1
Beverages	8.8	8.7	9.0	.1	-.2
Apparel and other textile products	16.0	16.1	15.3	-.1	.7
Paper and allied products	36.8	36.9	37.2	-.1	-.4
Misc. converted paper products	12.0	12.0	11.9	.0	.1
Paperboard containers and boxes	13.0	13.0	13.1	.0	-.1
Printing and publishing	71.6	71.5	70.7	.1	.9
Newspapers	18.7	18.6	18.6	.0	.0
Commercial printing	28.2	28.2	27.7	-.1	.5
Chemicals and allied products	65.1	64.9	64.3	.2	.8
Industrial inorganic chemicals	8.9	8.9	9.1	-.1	-.2
Rubber and misc. plastics products	90.0	90.7	90.7	-.6	-.7
Tires and inner tubes	14.4	14.4	14.6	.0	-.3
Miscellaneous plastics products	55.5	56.0	55.9	-.5	-.3

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3704.5	3653.9	3591.8	50.6	112.7
Mining	19.2	19.0	19.2	.2	.0
Bituminous coal and lignite mining	7.7	7.8	7.9	.0	-.2
Oil and gas extraction	6.4	6.3	6.4	.1	.0
Construction	196.7	184.7	182.8	12.1	14.0
General building contractors	49.1	46.8	46.4	2.3	2.7
Heavy construction contractors	25.8	22.1	24.1	3.7	1.7
Highway and street construction	9.5	7.3	9.2	2.3	.3
Special trade contractors	121.8	115.8	112.2	6.0	9.5
Transportation and Public Utilities	214.5	212.8	211.5	1.7	3.1
Railroad transportation	13.4	13.1	13.6	.2	-.2
Transportation, except railroads	113.9	112.3	109.4	1.6	4.4
Trucking and warehousing	76.7	75.8	74.7	.8	1.9
Communication, electric, gas services	87.3	87.4	88.5	-.1	-1.2
Communication	45.7	45.8	46.9	-.1	-1.2
Electric, gas, and sanitary services	41.6	41.6	41.6	.0	.0
Wholesale Trade	261.4	259.7	253.5	1.6	7.9
Wholesale trade-durable goods	165.4	164.5	160.5	.9	4.9
Motor vehicles & automotive equipment	23.2	22.9	22.6	.2	.6
Electrical goods	18.4	18.3	18.4	.1	.0
Machinery, equipment, and supplies	70.7	70.5	68.8	.2	1.9
Wholesale trade-nondurable goods	95.9	95.2	93.0	.7	3.0
Groceries and related products	30.5	30.3	29.7	.2	.9
Retail Trade	904.1	889.8	873.2	14.3	30.9
General merchandise stores	119.7	119.0	116.8	.6	2.9
Department stores	101.9	101.7	100.5	.3	1.4
Food stores	145.1	143.8	137.7	1.3	7.4
Automotive dealers & service stations	98.2	97.4	95.4	.8	2.7
Apparel and accessory stores	45.7	45.4	43.5	.3	2.1
Eating and drinking places	309.6	301.5	304.9	8.1	4.7
Finance, Insurance, and Real Estate	254.6	253.1	249.0	1.5	5.5
Banking	64.6	64.4	63.5	.2	1.1
Credit agencies other than banks	38.5	38.5	38.3	.0	.2
Insurance carriers	70.4	70.1	69.5	.2	.8
Life insurance	26.1	26.0	25.8	.1	.3
Fire, marine, and casualty insurance	31.0	31.0	30.8	.1	.2
Services	1139.2	1125.5	1092.8	13.7	46.4
Hotels and other lodging places	38.1	36.8	36.5	1.4	1.6
Personal services	58.4	60.6	56.3	-2.2	2.1
Laundry, cleaning, & garment services	19.3	19.1	18.7	.2	.6
Business services	236.6	234.2	219.9	2.3	16.7
Services to buildings	32.9	32.6	31.4	.4	1.5
Computer and data processing services	23.2	23.0	21.3	.1	1.9
Amusement and recreation services	47.5	38.0	48.4	9.5	-.8
Health services	379.1	377.8	367.2	1.3	11.9
Nursing and personal care facilities	83.5	83.1	81.1	.4	2.5
Hospitals	185.1	184.8	180.7	.2	4.4
Educational services	65.1	68.1	62.9	-3.0	2.2
Colleges and universities	35.0	38.1	33.3	-3.1	1.7
Government	714.8	709.3	709.9	5.5	4.9
Federal government	95.7	95.9	94.3	-.1	1.5
State government	165.8	166.2	162.5	-.4	3.3
State government education[f]	90.9	91.0	87.9	-.1	3.0
State government, except education	74.9	75.1	74.5	-.2	.4
Local government	453.3	447.3	453.2	6.0	.1
Local government education	267.4	263.7	268.8	3.7	-1.4
Local government, except education	185.9	183.6	184.4	2.3	1.5

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

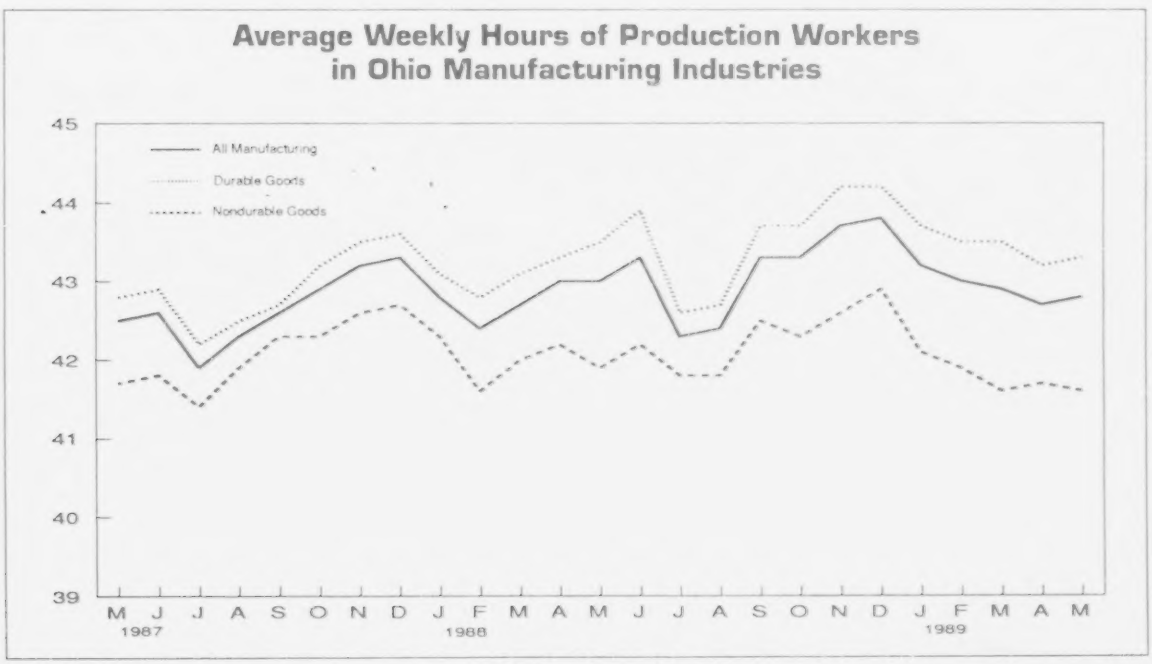
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$523.87	$521.37	$516.43	42.8	42.7	43.0	$12.24	$12.21	$12.01
Durable Goods[e]	545.58	542.59	540.27	43.3	43.2	43.5	12.60	12.56	12.42
Lumber and wood products	342.36	337.42	313.88	41.7	41.3	41.3	8.21	8.17	7.60
Furniture and fixtures	393.21	384.14	363.04	42.1	41.8	40.7	9.34	9.19	8.92
Stone, clay, and glass products	470.13	470.98	468.70	42.7	42.7	43.0	11.01	11.03	10.90
Glass and glassware, pressed or blown	496.27	493.50	490.89	42.2	42.0	42.1	11.76	11.75	11.66
Primary metal industries	633.92	624.34	633.36	44.8	44.5	45.5	14.15	14.03	13.92
Blast furnace and basic steel products	662.39	640.01	656.04	45.4	44.6	46.2	14.59	14.35	14.20
Iron and steel foundries	665.80	661.62	662.27	45.2	45.1	45.8	14.73	14.67	14.46
Nonferrous rolling and drawing	643.97	652.21	644.98	42.2	42.6	43.2	15.26	15.31	14.93
Fabricated metal products	515.82	512.48	518.06	42.7	42.6	43.1	12.08	12.03	12.02
Cutlery, hand tools, and hardware	500.09	500.80	494.46	40.2	40.0	41.0	12.44	12.52	12.06
Fabricated structural metal products	452.86	452.28	447.20	41.7	41.8	41.6	10.86	10.82	10.75
Metal forgings and stampings	645.18	639.01	648.17	44.1	44.1	45.2	14.63	14.49	14.34
Machinery, except electrical	536.99	541.11	526.59	43.8	44.1	43.7	12.26	12.27	12.05
Construction and related machinery	443.81	443.39	409.02	41.4	41.4	40.1	10.72	10.71	10.20
Metalworking machinery	514.21	522.82	495.00	44.1	44.8	44.0	11.66	11.67	11.25
Special industry machinery	509.78	515.00	512.96	44.6	44.9	44.8	11.43	11.47	11.45
General industrial machinery	566.72	562.89	559.33	44.0	43.5	43.8	12.88	12.94	12.77
Office and computing machines	450.14	444.61	417.59	40.7	40.2	40.9	11.06	11.06	10.21
Refrigeration and service machinery	619.77	624.36	652.15	43.8	44.0	45.1	14.15	14.19	14.46
Electric and electronic equipment	464.67	464.26	469.25	41.6	41.6	41.6	11.17	11.16	11.28
Electrical industrial apparatus	476.98	480.04	465.63	43.6	44.0	42.1	10.94	10.91	11.06
Household appliances	490.45	476.71	490.45	40.3	39.3	40.6	12.17	12.13	12.08
Electric lighting and wiring equipment	472.53	484.72	481.82	40.7	41.5	41.5	11.61	11.68	11.61
Communication equipment	508.98	500.12	503.87	42.7	42.6	42.2	11.92	11.74	11.94
Transportation equipment	690.20	683.99	678.00	44.5	44.3	45.2	15.51	15.44	15.00
Motor vehicles and equipment	717.30	703.04	711.91	45.0	44.3	45.9	15.94	15.87	15.51
Aircraft and parts	627.40	660.74	586.09	43.6	45.6	43.0	14.39	14.49	13.63
Instruments and related products	378.95	373.03	359.20	40.1	39.6	39.3	9.45	9.42	9.14
Measuring and controlling devices	375.20	375.39	352.20	38.8	38.7	38.2	9.67	9.70	9.22
Nondurable Goods[f]	472.99	473.71	460.90	41.6	41.7	41.9	11.37	11.36	11.00
Food and kindred products	454.95	455.20	436.31	41.7	41.8	41.2	10.91	10.89	10.59
Meat products	391.00	367.98	382.39	42.5	41.3	41.7	9.20	8.91	9.17
Dairy products	459.00	464.19	452.15	42.5	43.1	42.1	10.80	10.77	10.74
Preserved fruits and vegetables	465.20	486.36	444.21	40.7	42.0	40.2	11.43	11.58	11.05
Bakery products	463.63	462.08	464.11	38.7	38.7	39.6	11.98	11.94	11.72
Beverages	432.00	431.09	423.69	41.3	40.9	40.7	10.46	10.54	10.41
Apparel and other textile products	294.51	297.99	303.11	38.1	38.7	40.2	7.73	7.70	7.54
Paper and allied products	484.22	494.76	486.41	42.7	43.4	43.9	11.34	11.40	11.08
Misc. converted paper products	423.36	448.76	426.51	42.0	43.4	43.3	10.08	10.34	9.85
Paperboard containers and boxes	425.15	424.20	439.64	41.6	42.0	43.4	10.22	10.10	10.13
Printing and publishing	444.24	447.70	445.31	38.9	39.1	39.2	11.42	11.45	11.36
Newspapers	383.38	376.66	375.06	34.2	33.6	34.6	11.21	11.21	10.84
Commercial printing	431.74	437.60	439.39	39.5	40.0	40.2	10.93	10.94	10.93
Chemicals and allied products	572.04	578.34	540.47	42.0	42.4	41.8	13.62	13.64	12.93
Industrial inorganic chemicals	594.00	593.06	588.64	43.2	43.1	43.7	13.75	13.76	13.47
Rubber and misc. plastics products	457.09	446.69	452.92	43.0	42.3	43.3	10.63	10.56	10.46
Tires and inner tubes	700.26	698.60	700.38	46.1	45.9	47.1	15.19	15.22	14.87
Miscellaneous plastics products	441.27	429.24	433.29	42.8	42.0	42.9	10.31	10.22	10.10

See footnotes on page 13.

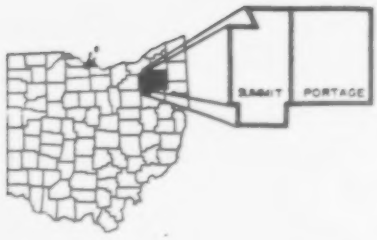
Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Mining	$583.43	$585.61	$528.67	43.9	43.8	42.6	$13.29	$13.37	$12.41
Bituminous coal and lignite mining	707.85	704.55	632.30	42.9	42.7	41.3	16.50	16.50	15.31
Construction	591.31	609.92	573.53	38.8	40.1	38.7	15.24	15.21	14.82
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	577.13	575.91	561.25	40.7	40.7	40.7	14.18	14.15	13.79
Communication	553.38	545.48	535.06	40.1	39.7	39.9	13.80	13.74	13.41
Electric, gas, and sanitary services	604.03	610.28	593.39	41.4	41.8	41.7	14.59	14.60	14.23
Wholesale Trade	402.98	398.73	388.09	39.2	38.9	39.2	10.28	10.25	9.90
Wholesale trade-durable goods	392.56	388.55	381.42	39.1	38.7	39.2	10.04	10.04	9.73
Wholesale trade-nondurable goods	420.12	416.58	399.45	39.3	39.3	39.2	10.69	10.60	10.19
Retail Trade[h]	172.74	171.82	163.86	28.6	28.4	28.3	6.04	6.05	5.79
General merchandise stores	184.03	183.33	176.88	28.8	28.6	28.3	6.39	6.41	6.25
Department stores	190.09	188.43	181.48	29.2	28.9	28.4	6.51	6.52	6.39
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	270.11	270.14	265.10	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	276.67	277.18	266.94	.....	.....	.....	.....	.....	.....
Insurance carriers	388.83	387.85	371.47	.....	.....	.....	.....	.....	.....
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	347.43	346.45	336.96	32.5	32.5	33.1	10.69	10.66	10.18

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

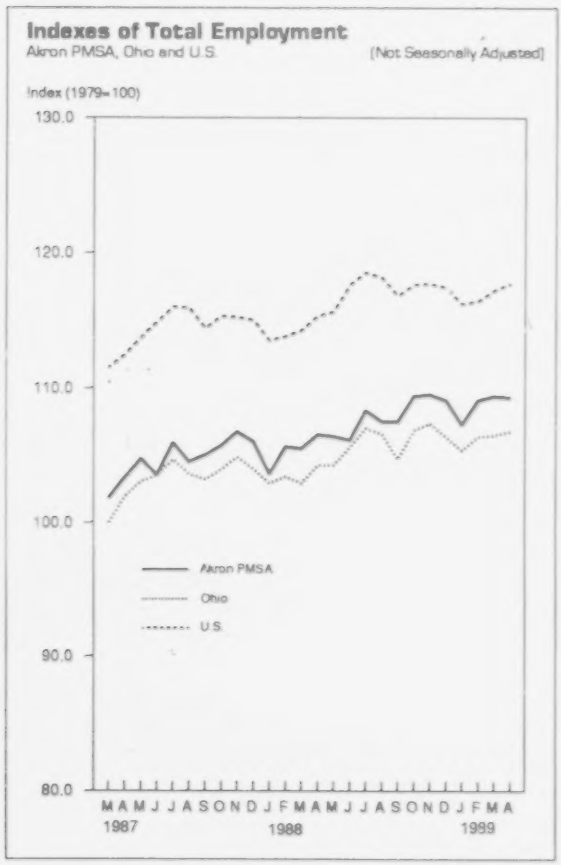


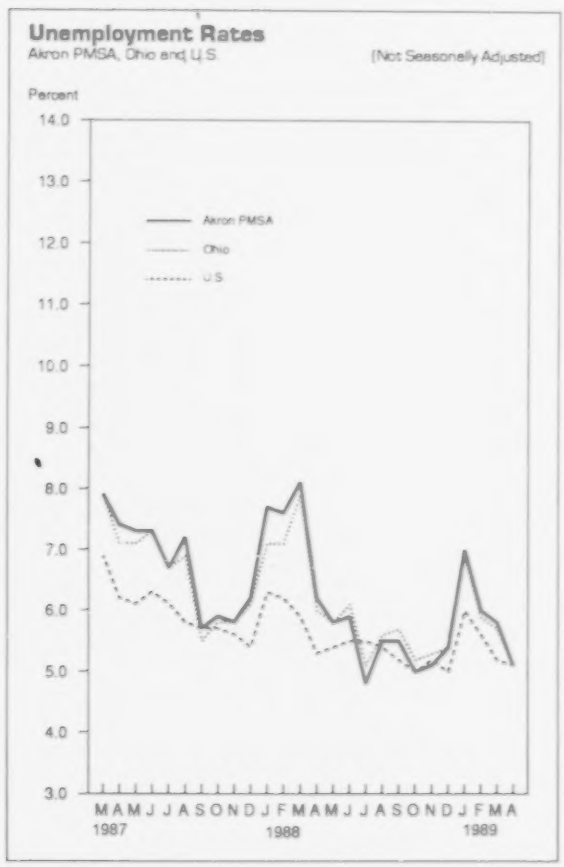
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm wage and salary employment in the Akron metropolitan area totaled 282,100 in May, an increase of 3,100 from April 1989. Continued improvements were noted in retail trade, services, and construction. The manufacturing workforce declined 100 to 66,000. Scattered decreases in durable goods negated slight growth among producers of nondurable goods. Factory production workers averaged $11.46 per hour, down fractionally from last month. Their average workweek of 42.6 hours was .3 hours longer.

Nonagricultural payroll employment advanced 8,300 between May 1988 and May 1989. Noteworthy expansion occurred in retail trade, services, especially business services, and state and local schools and colleges. Manufacturing employment increased 200 over the year. Growth in nonelectrical machinery and rubber and miscellaneous plastics products outweighed reductions in fabricated metal products.





Akron PMSA Labor Force and Employment Data

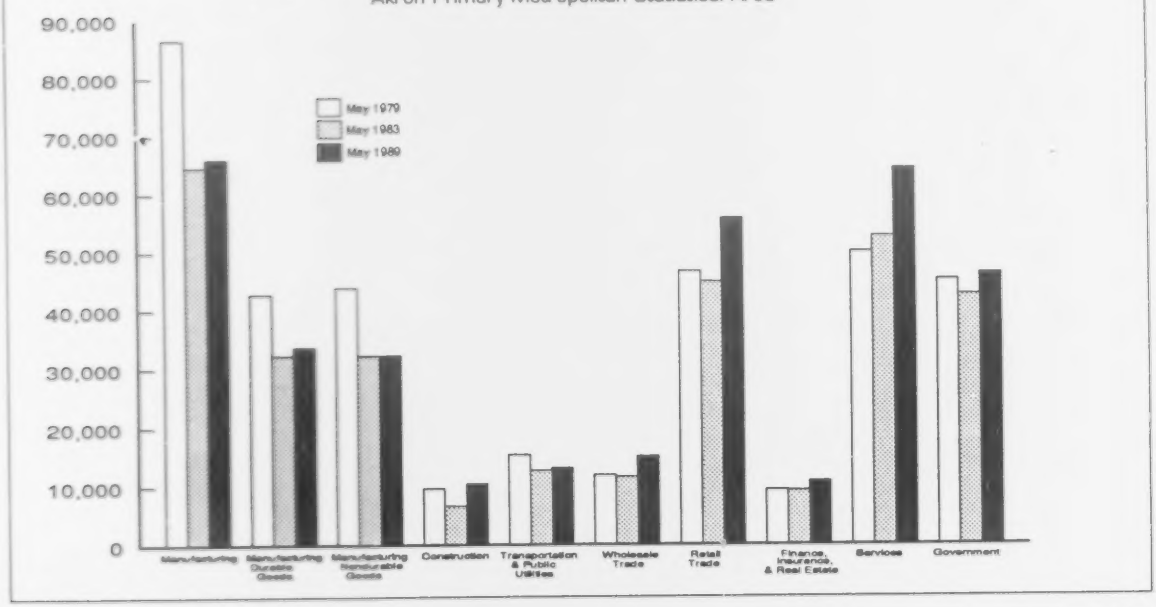
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
324.0	304.0	19.9	6.2	April	270.8	65.9	37.3	512.60	43.7	11.73
322.4	303.8	18.6	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.9	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
INA	INA	INA	INA	May	282.1	66.0	38.9	488.20	42.6	11.46

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	282.1	279.0	273.8	3.1	8.3
Manufacturing	66.0	66.1	65.8	-.1	.2
Durable Goods[e]	33.7	34.0	34.0	-.3	-.3
Fabricated metal products	11.0	11.0	11.3	.0	-.3
Machinery, except electrical	9.6	9.7	9.2	-.1	.3
Metalworking machinery	3.4	3.4	3.3	.0	.2
Nondurable Goods[f]	32.3	32.2	31.9	.2	.4
Food and kindred products	2.8	2.8	2.9	.0	-.1
Chemicals and allied products	3.5	3.5	3.6	.0	-.1
Rubber and misc. plastics products	19.3	19.3	19.2	.0	.2
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing[g]	216.1	212.9	208.0	3.2	8.1
Construction	10.4	9.6	9.7	.8	.7
Transportation and Public Utilities	13.1	13.0	12.8	.0	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.0	14.9	14.3	.0	.7
Retail Trade	55.7	54.8	52.8	.9	2.9
General merchandise stores	6.4	6.4	6.2	.0	.2
Finance, Insurance, and Real Estate	10.8	10.7	10.7	.1	.1
Banking	3.1	3.1	3.1	.0	.0
Services	64.3	63.4	62.1	.9	2.3
Business services	14.3	14.2	13.0	.1	1.3
Amusement and recreation services	3.3	3.2	3.7	.1	-.4
Health services	20.4	20.3	19.9	.1	.5
Government	46.2	45.8	45.0	.4	1.1
State government	17.2	17.3	16.4	-.1	.8
State government education[h]	14.2	14.4	13.4	-.2	.8
State government, except education	3.0	2.9	3.0	.1	.0
Local government	26.4	25.9	26.2	.5	.2
Local government education	15.1	14.8	14.8	.3	.3
Local government, except education	11.4	11.2	11.4	.2	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$488.20	$485.18	$504.88	42.6	42.3	43.3	$11.46	$11.47	$11.66
Durable Goods[e]	506.22	496.60	522.87	42.9	42.3	43.5	11.80	11.74	12.02
Fabricated metal products	650.60	617.19	668.29	43.9	42.1	45.4	14.82	14.66	14.72
Machinery, except electrical	453.90	456.26	460.28	44.5	44.6	44.3	10.20	10.23	10.39
Metalworking machinery	484.36	470.65	483.21	44.6	43.7	45.5	10.86	10.77	10.62
Nondurable Goods[f]	464.20	470.38	478.59	42.2	42.3	43.0	11.00	11.12	11.13
Food and kindred products	418.90	418.91	449.17	42.1	41.6	41.9	9.95	10.07	10.72
Chemicals and allied products	499.25	504.57	499.80	41.5	41.7	42.5	12.03	12.10	11.76
Rubber and misc. plastics products	489.44	479.27	505.08	43.7	43.1	44.5	11.20	11.12	11.35
Tires and inner tubes	825.29	824.28	811.34	50.2	50.2	50.3	16.44	16.42	16.13
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.02	578.14	562.78	41.0	40.8	40.9	14.22	14.17	13.76
Wholesale Trade	349.81	351.91	348.81	36.9	37.2	38.5	9.48	9.46	9.06
Retail Trade[h]	208.97	210.59	195.31	32.1	32.2	31.3	6.51	6.54	6.24

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

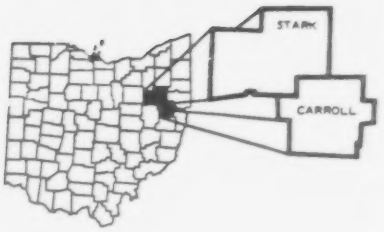
Selected Administrative Program Activities

Akron PMSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	1,945	2,482	2,621
Active File of Job Seekers	14,927	18,414	17,763
Referrals to Jobs	957	1,769	1,492
Placements	514	258	339
Job Openings Received	504	786	946
Job Openings Unfilled	1,561	1,785	1,582
Unemployment Insurance Program			
Initial Claims	2,068	1,744	2,153
Continued Claims	22,492	23,590	22,128
First Payments	INA	923	823
Last Payments	413	309	394
Weeks Compensated	INA	22,159	17,034
Benefits Paid	INA	$3,430,270	$2,580,200
Average Weekly Payment	INA	$159.20	$155.01

INA - Information not available

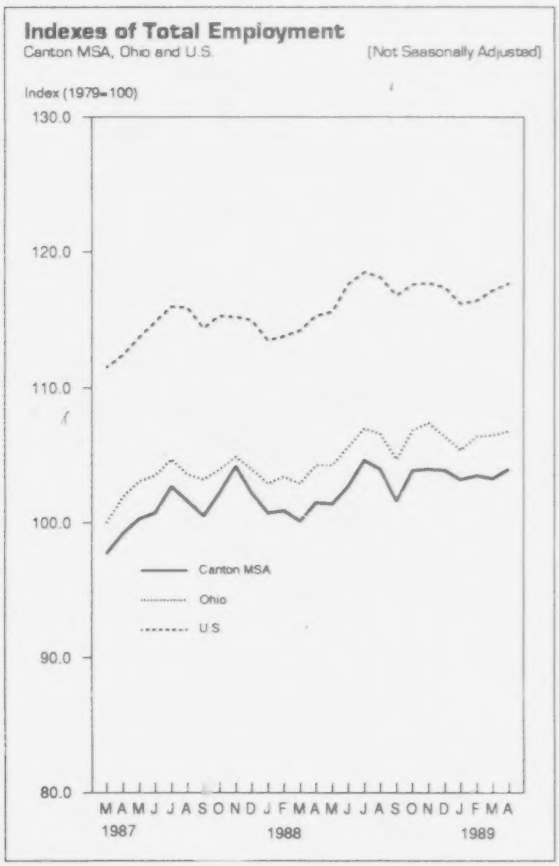
CANTON
METROPOLITAN STATISTICAL AREA

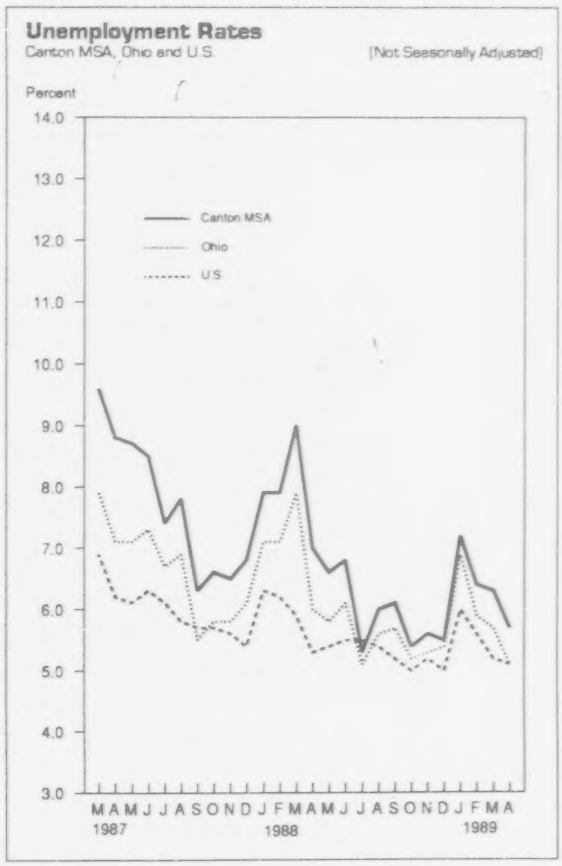


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonfarm payroll employment increased 2,300 from April to 165,100 in May 1989. Nonmanufacturing employment rose 2,000 due to more business in construction, retail trade, and services. Growth in nondurable-goods industries, especially food and kindred products, increased manufacturing employment 300 over the month to 45,800. Factory production worker average hourly earnings of $11.78 were little changed from April. Their average workweek was .2 hours shorter at 42.0 hours.

Nonagricultural wage and salary employment advanced 5,400 between May 1988 and May 1989. A major portion of the improvement occurred in the nonmanufacturing sector. Leading growth industries were retail trade, services, and construction. Modest expansion in primary metal industries and food and kindred products helped raise manufacturing employment 1,200 during the period.



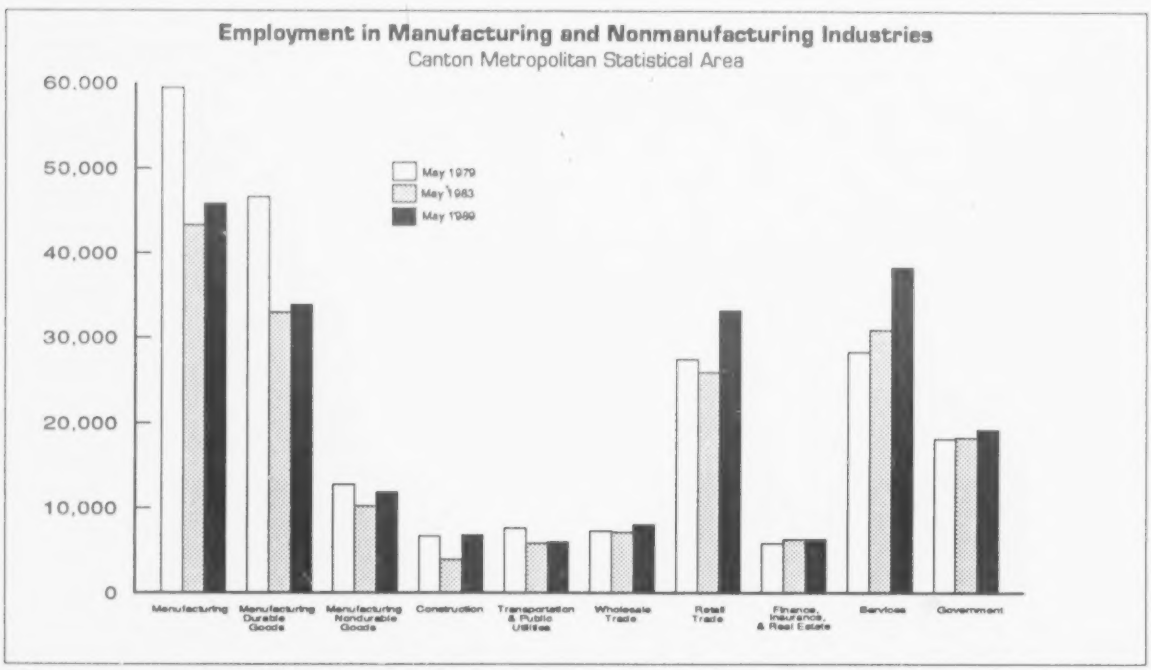


Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
189.5	176.3	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42
188.7	176.2	12.5	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.6	180.7	10.9	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
INA	INA	INA	INA	May	165.1	45.8	33.0	494.76	42.0	11.78

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	165.1	162.7	159.7	2.3	5.4
Manufacturing	45.8	45.5	44.6	.3	1.2
Durable Goods[e]	33.9	33.8	33.0	.1	.9
Primary metal industries	11.6	11.6	11.1	.0	.5
Fabricated metal products	6.6	6.6	6.6	.0	.0
Metal forgings and stampings	2.3	2.2	2.1	.0	.2
Nondurable Goods[f]	11.9	11.7	11.6	.3	.3
Food and kindred products	3.4	3.2	3.2	.2	.2
Rubber and misc. plastics products	3.0	3.0	3.0	.0	.0
Nonmanufacturing[g]	119.2	117.2	115.1	2.0	4.2
Construction	6.9	6.2	6.1	.6	.8
Transportation and Public Utilities	6.0	5.9	5.7	.1	.3
Communication, electric, gas services	2.7	2.7	2.5	.0	.1
Wholesale Trade	8.1	8.0	7.8	.1	.2
Wholesale trade-durable goods	4.4	4.4	4.3	.0	.1
Retail Trade	33.2	32.6	31.6	.6	1.6
General merchandise stores	4.0	4.0	3.8	.0	.1
Food stores	5.8	5.7	5.3	.1	.5
Finance, Insurance, and Real Estate	6.3	6.3	6.4	.0	-.1
Banking	1.8	1.8	1.8	.0	.0
Services	38.4	38.0	37.1	.4	1.4
Health services	15.4	15.3	15.2	.0	.1
Government	19.4	19.2	19.5	.2	-.1
State government (includes education)	1.7	1.7	1.8	.0	.0
Local government	16.3	16.1	16.3	.2	.0
Local government education	10.0	9.8	9.9	.2	.1
Local government, except education	6.3	6.3	6.4	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$494.76	$496.27	$492.05	42.0	42.2	43.2	$11.78	$11.76	$11.39
Durable Goods[e]	527.67	527.61	515.22	42.9	43.0	43.7	12.30	12.27	11.79
Primary metal industries	606.97	605.64	610.77	45.5	45.4	47.2	13.34	13.34	12.94
Fabricated metal products	480.17	485.55	444.94	40.9	41.5	41.7	11.74	11.70	10.67
Metal forgings and stampings	564.01	572.12	579.68	40.9	41.7	40.2	13.79	13.72	14.42
Nondurable Goods[f]	396.19	397.19	423.61	39.5	39.6	41.9	10.03	10.03	10.11
Food and kindred products	436.21	411.57	444.04	39.8	38.5	40.7	10.96	10.69	10.91
Rubber and misc. plastics products	406.02	403.50	423.19	41.6	41.3	41.9	9.76	9.77	10.10
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	572.24	575.09	543.65	40.7	40.7	40.3	14.06	14.13	13.49
Wholesale Trade	383.91	380.14	380.89	38.2	37.6	37.6	10.05	10.11	10.13
Retail Trade[h]	165.29	164.42	158.08	28.4	28.3	28.9	5.82	5.81	5.47

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

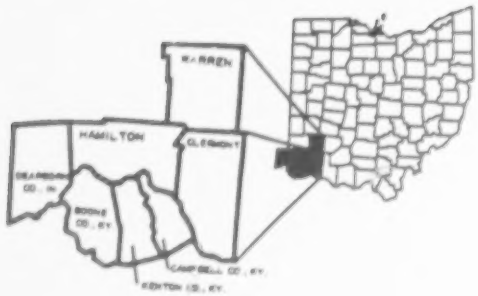
Selected Administrative Program Activities

Canton MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	1,231	1,248	1,343
Active File of Job Seekers	10,473	12,037	12,276
Referrals to Jobs	752	1,039	1,129
Placements	186	475	183
Job Openings Received	329	377	629
Job Openings Unfilled	465	589	1,103
Unemployment Insurance Program			
Initial Claims	2,073	2,032	1,403
Continued Claims	14,462	14,484	14,343
First Payments	INA	1,065	566
Last Payments	222	170	237
Weeks Compensated	INA	13,299	10,828
Benefits Paid	INA	$2,066,387	$1,529,491
Average Weekly Payment	INA	$161.22	$145.82

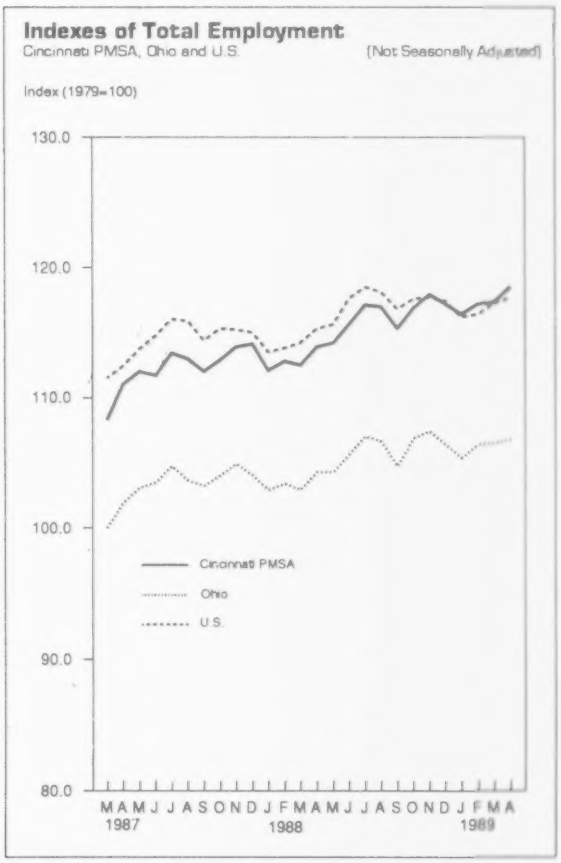
INA - Information not available

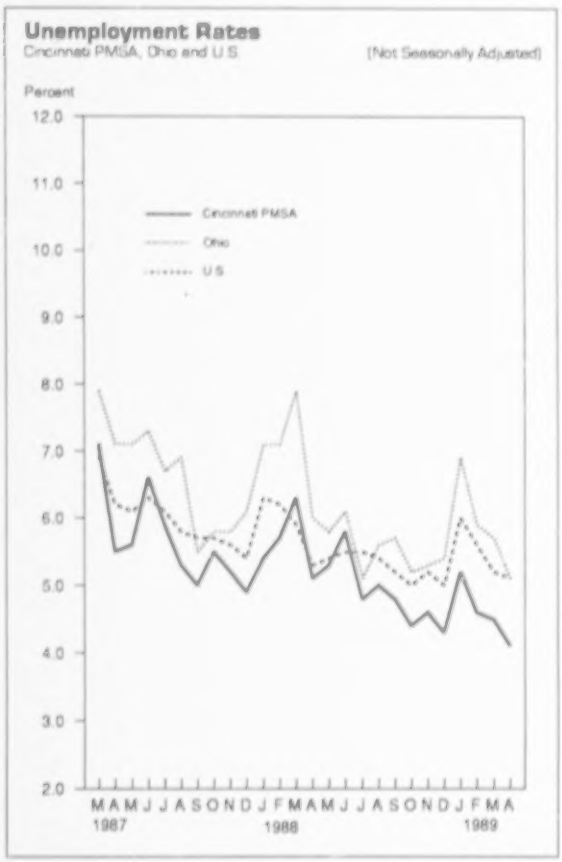
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area rose 8,200 above the April level to 730,500 in May 1989. Seasonal expansion in services, especially amusement and recreation services, retail trade, and construction contributed most to the improvement. Manufacturing employment increased 600 to 146,400 due to modest gains in durable goods, printing and publishing, and rubber and miscellaneous plastics products. Factory production workers averaged $11.40 per hour, down $.08 from April. Their average workweek of 42.6 hours was .2 hours shorter.

Total nonfarm wage and salary employment advanced 30,400 between May 1988 and May 1989. Significant expansion occurred in services, especially business and health services, retail trade, and construction. Notable gains were also recorded in transportation and public utilities, state and local government, and wholesale trade. The manufacturing workforce added 2,700 jobs over the year. Moderate growth in nonelectrical machinery, food and kindred products, and printing and publishing overshadowed a reduction in transportation equipment.





Cincinnati PMSA Labor Force and Employment Data

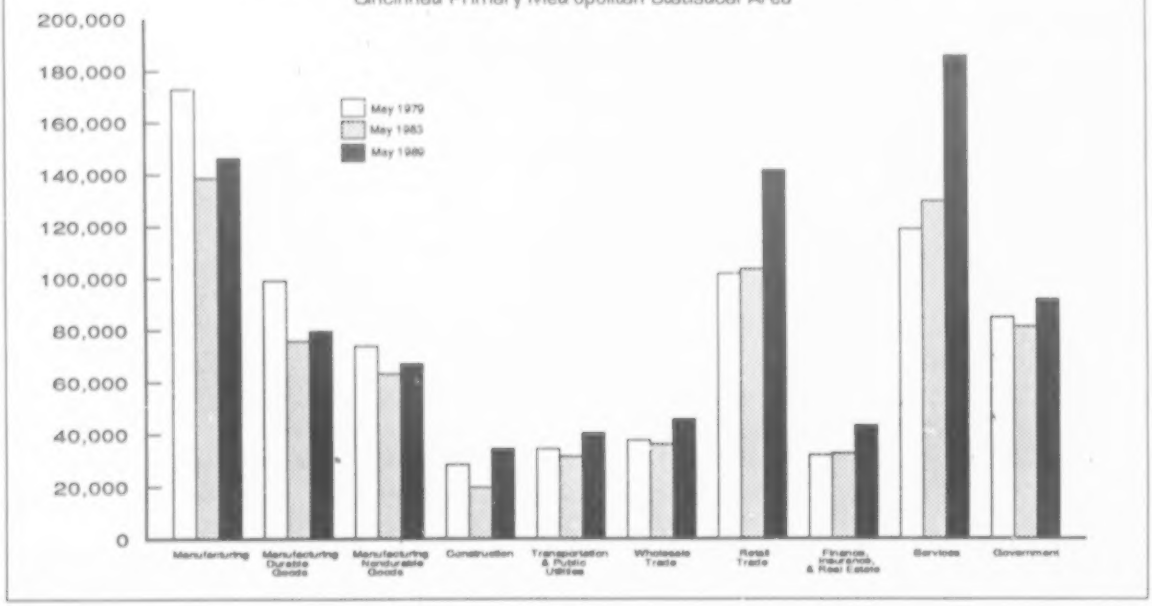
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
753.7	715.3	38.4	5.1	April	694.4	144.3	92.0	462.42	42.0	11.01
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
775.6	744.0	31.6	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
INA	INA	INA	INA	May	730.5	146.4	92.3	485.64	42.6	11.40

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cincinnati Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	730.5	722.3	700.1	8.2	30.4
Manufacturing	146.4	145.8	143.7	.6	2.7
Durable Goods[e]	79.4	79.1	78.4	.3	1.1
Fabricated metal products	10.8	10.9	10.7	-.1	.1
Fabricated structural metal products	3.7	3.7	3.8	.0	-.1
Machinery, except electrical	21.4	21.3	20.6	.1	.7
Metalworking machinery	8.7	8.7	8.6	.1	.1
General industrial machinery	3.1	3.1	2.9	.0	.1
Electric and electronic equipment	9.0	8.9	8.6	.1	.3
Transportation equipment	23.3	23.4	24.1	.0	-.7
Motor vehicles and equipment	5.0	5.1	4.9	-.1	.1
Nondurable Goods[f]	66.9	66.7	65.3	.3	1.6
Food and kindred products	12.9	12.9	12.2	-.1	.6
Beverages	3.5	3.4	3.3	.1	.2
Apparel and other textile products	3.7	3.8	3.5	-.1	.2
Paper and allied products	6.2	6.1	5.9	.0	.3
Printing and publishing	13.5	13.3	13.0	.2	.5
Commercial printing	6.2	6.3	5.9	-.1	.3
Chemicals and allied products	22.6	22.5	22.4	.1	.2
Rubber and misc. plastics products	6.0	5.9	6.1	.2	-.1
Nonmanufacturing[g]	584.1	576.5	556.4	7.6	27.7
Construction	34.5	33.0	31.1	1.5	3.4
Transportation and Public Utilities	40.4	40.0	37.6	.4	2.7
Trucking and warehousing	11.4	11.2	10.4	.2	1.0
Communication, electric, gas services	15.7	15.6	15.3	.1	.4
Wholesale Trade	45.7	45.6	44.1	.1	1.6
Wholesale trade-durable goods	26.9	26.8	26.0	.1	.9
Retail Trade	141.9	140.0	133.9	1.9	8.0
General merchandise stores	20.1	20.0	19.3	.1	.8
Finance, Insurance, and Real Estate	43.3	43.0	41.9	.3	1.4
Banking	9.4	9.4	8.9	.1	.5
Insurance carriers	14.4	14.4	14.4	.0	.0
Services	186.0	183.0	177.9	3.0	8.1
Hotels and other lodging places	7.8	7.6	7.5	.2	.3
Personal services	9.4	9.8	8.8	-.4	.6
Business services	45.9	45.5	41.8	.5	4.1
Amusement and recreation services	10.7	8.6	11.5	2.0	-.9
Health services	55.1	55.0	53.3	.1	1.8
Hospitals	26.3	26.2	25.3	.0	.9
Government	92.0	91.5	89.4	.5	2.6
Federal government	15.8	16.1	15.4	-.3	.4
State government	21.4	21.3	20.4	.1	1.0
State government education[i]	13.4	13.4	12.6	.1	.8
State government, except education	7.9	7.9	7.8	.0	.2
Local government	54.8	54.0	53.6	.7	1.2
Local government education	31.2	30.6	31.0	.6	.2
Local government, except education	23.6	23.4	22.6	.1	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr 1989[c]	May 1988[c]
Manufacturing	$485.64	$491.34	$465.63	42.6	42.8	42.1	$11.40	$11.48	$11.06
Durable Goods[e]	479.95	496.34	460.22	42.7	43.5	42.3	11.24	11.41	10.88
Fabricated metal products	410.48	422.17	418.35	41.8	42.6	42.3	9.82	9.91	9.89
Fabricated structural metal products	448.35	470.80	435.87	42.7	44.0	43.5	10.50	10.70	10.02
Machinery, except electrical	440.91	435.08	427.57	42.6	42.2	42.8	10.35	10.31	9.99
Metalworking machinery	484.87	491.46	491.94	44.2	44.8	44.6	10.97	10.97	11.03
General industrial machinery	436.77	427.25	422.55	42.2	41.4	44.2	10.35	10.32	9.56
Electric and electronic equipment	368.51	359.07	324.76	40.9	40.3	38.8	9.01	8.91	8.37
Transportation equipment	741.97	811.15	692.80	46.2	49.4	45.4	16.06	16.42	15.26
Motor vehicles and equipment	855.85	898.14	852.00	49.3	50.8	50.0	17.36	17.68	17.04
Nondurable Goods[f]	489.72	485.83	470.12	42.4	42.1	41.9	11.55	11.54	11.22
Food and kindred products	507.61	500.44	488.31	42.8	42.7	41.7	11.86	11.72	11.71
Beverages	515.57	512.21	505.12	40.5	40.3	41.0	12.73	12.71	12.32
Apparel and other textile products	232.09	242.06	228.05	37.8	38.3	38.2	6.14	6.32	5.97
Paper and allied products	485.37	474.52	429.25	44.9	44.1	42.5	10.81	10.76	10.10
Printing and publishing	447.35	453.66	453.66	39.8	39.9	39.9	11.24	11.37	11.37
Commercial printing	465.04	472.99	484.08	41.3	41.6	42.5	11.26	11.37	11.39
Chemicals and allied products	583.79	592.70	561.04	42.8	43.2	42.6	13.64	13.72	13.17
Rubber and misc. plastics products	447.07	374.75	407.08	45.9	41.5	44.2	9.74	9.03	9.21
Transportation and Public Utilities	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	582.62	588.34	556.14	40.8	41.2	40.3	14.28	14.28	13.80
Wholesale Trade	424.32	422.09	405.81	40.8	40.9	40.5	10.40	10.32	10.02
Retail Trade[h]	169.63	169.01	165.31	28.8	28.5	28.9	5.89	5.93	5.72
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	....	....	....
Banking	265.54	265.22	256.87	....	....	....	....	....	....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

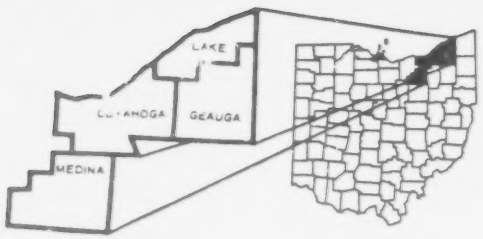
Selected Administrative Program Activities[a]

Cincinnati PMSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	3,046	2,488	2,267
Active File of Job Seekers	15,684	17,369	21,229
Referrals to Jobs	1,953	1,584	1,585
Placements	315	324	291
Job Openings Received	891	1,024	1,397
Job Openings Unfilled	1,682	1,823	1,819
Unemployment Insurance Program			
Initial Claims	3,787	3,288	3,244
Continued Claims	34,497	31,624	38,492
First Payments	INA	1,540	1,855
Last Payments	468	505	560
Weeks Compensated	INA	27,909	30,067
Benefits Paid	INA	$4,382,863	$4,666,854
Average Weekly Payment	INA	$162.74	$157.31

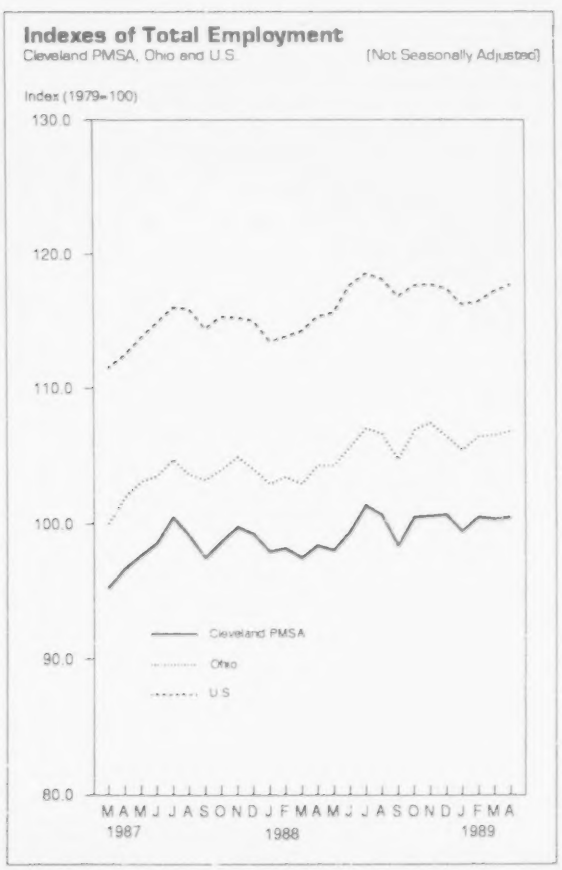
[a] Ohio data only
INA - Information not available

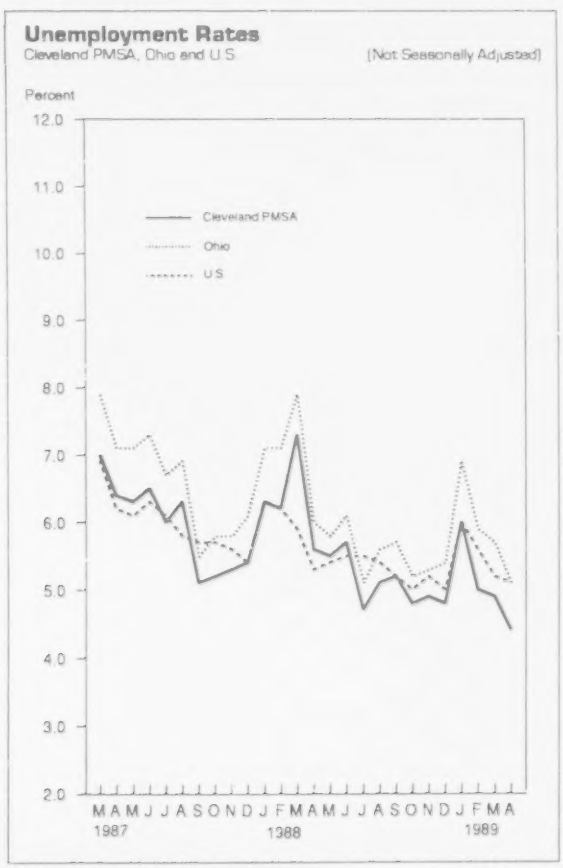
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cleveland metropolitan area totaled 926,800 in May 1989, up 9,600 from the April level. The settlement of a labor-management dispute in local government, except education and seasonal hirings in retail trade, construction, and services, especially amusement and recreation services, contributed most to the improvement. Manufacturing employment rose slightly over the month to 204,900. Factory production workers averaged $11.98 per hour, little changed from last month. Their average workweek declined .2 hours to 43.1 hours.

Total nonfarm wage and salary employment advanced 24,100 between May 1988 and May 1989. The leading growth industry was services (+10,100) with significant increases in business and health services. Noteworthy expansion was also registered in retail trade (+4,200) and wholesale trade (+1,800). The manufacturing workforce added 4,400 jobs during the period. Moderate improvements occurred in nonelectrical machinery, transportation equipment, fabricated metal products, primary metal products, printing and publishing, and chemicals and allied products.





Cleveland PMSA Labor Force and Employment Data

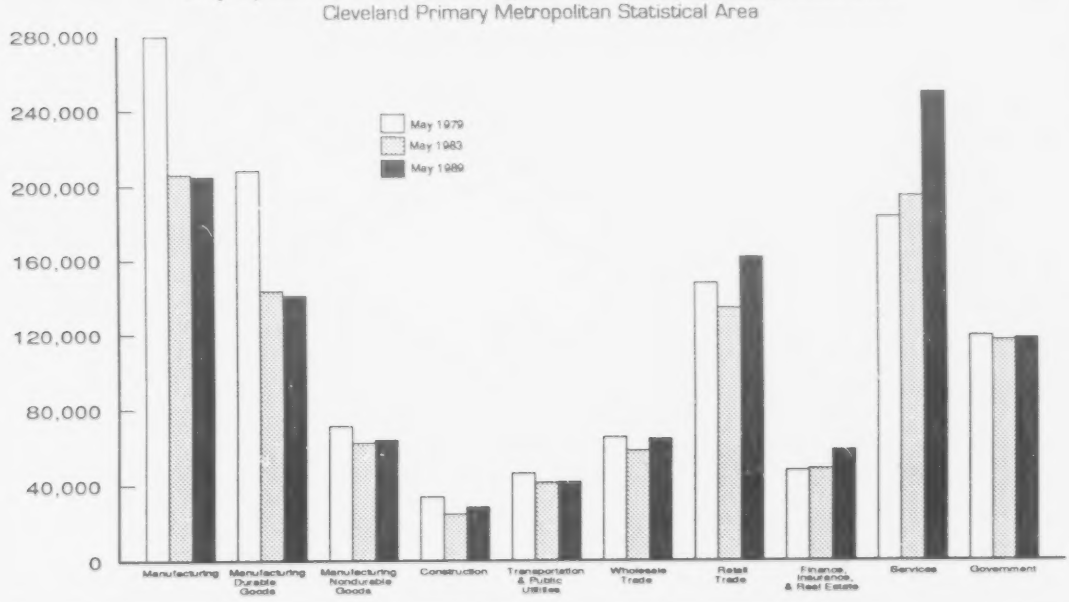
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
925.5	873.9	51.6	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83
936.6	883.0	53.5	5.7	June	911	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
933.9	892.7	41.2	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
INA	INA	INA	INA	May	926.8	204.9	131.9	516.34	43.1	11.98

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	926.8	917.2	902.7	9.6	24.1
Manufacturing	204.9	204.9	200.6	.1	4.4
Durable Goods[e]	141.0	140.9	137.2	.1	3.8
Primary metal industries	21.7	21.6	21.3	.1	.4
Iron and steel foundries	4.5	4.5	4.7	-.1	-.2
Fabricated metal products	32.8	32.9	32.3	-.1	.5
Fabricated structural metal products	4.1	4.2	3.8	.0	.3
Screw machine products, bolts, etc.	4.9	4.9	4.9	.0	.1
Metal forgings and stampings	11.0	11.1	11.0	-.1	.0
Machinery, except electrical	30.7	30.7	29.2	.0	1.4
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	10.4	10.4	9.8	.0	.5
Special industry machinery	2.6	2.6	2.5	.0	.1
General industrial machinery	3.3	3.2	3.0	.1	.2
Electric and electronic equipment	18.0	18.0	17.8	.0	.2
Electrical industrial apparatus	6.7	6.7	6.3	.0	.4
Transportation equipment	19.7	19.7	19.1	.1	.7
Motor vehicles and equipment	12.5	12.5	11.9	.0	.7
Instruments and related products	6.6	6.5	6.4	.1	.2
Measuring and controlling devices	4.5	4.5	4.3	.1	.2
Nondurable Goods[f]	63.9	64.0	63.4	-.1	.6
Food and kindred products	6.6	6.6	6.5	.0	.1
Apparel and other textile products	3.5	3.5	3.6	.0	-.1
Paper and allied products	5.9	5.9	5.9	.0	.0
Printing and publishing	16.0	16.0	15.8	.0	.3
Chemicals and allied products	15.2	15.2	14.9	.0	.3
Rubber and misc. plastics products	11.4	11.5	11.4	-.1	.0
Nonmanufacturing[g]	721.8	712.3	702.1	9.6	19.7
Construction	28.3	26.5	27.6	1.8	.7
Transportation and Public Utilities	41.4	41.2	41.2	.2	.3
Trucking and warehousing	12.1	12.0	11.9	.1	.2
Communication, electric, gas services	17.1	17.2	17.4	-.1	-.3
Wholesale Trade	64.2	63.8	62.4	.4	1.8
Wholesale trade-durable goods	44.6	44.4	43.3	.2	1.3
Retail Trade	161.3	158.8	157.1	2.5	4.2
General merchandise stores	20.5	20.5	20.1	.0	.4
Finance, Insurance, and Real Estate	58.4	58.0	56.3	.4	2.1
Banking	14.2	14.1	14.0	.0	.2
Credit agencies other than banks	8.9	8.8	8.7	.1	.2
Insurance carriers	14.5	14.4	13.9	.1	.6
Services	249.7	248.2	239.6	1.6	10.1
Business services	57.4	57.3	53.9	.1	3.5
Amusement and recreation services	8.2	7.0	8.5	1.2	-.2
Health services	78.5	78.6	76.2	-.1	2.3
Hospitals	43.8	44.1	43.4	-.2	.5
Government	117.5	114.8	117.0	2.7	.5
Federal government	20.6	20.6	20.8	.1	-.2
State government	8.1	8.7	8.3	-.6	-.2
State government education[i]	3.1	3.4	3.1	-.3	.0
State government, except education	5.0	5.3	5.2	-.3	-.2
Local government	88.7	85.5	87.9	3.3	.8
Local government education	45.2	44.5	45.1	.7	.1
Local government, except education	43.6	41.0	42.9	2.6	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$516.34	$519.17	$513.42	43.1	43.3	43.4	$11.98	$11.99	$11.83
Durable Goods[e]	546.99	550.37	554.03	43.9	44.1	44.5	12.46	12.48	12.45
Primary metal industries	549.36	551.49	600.05	44.7	44.8	47.1	12.29	12.31	12.74
Iron and steel foundries	917.45	919.04	877.75	51.6	51.2	50.1	17.78	17.95	17.52
Fabricated metal products	550.29	554.64	555.97	44.2	44.3	44.3	12.45	12.52	12.55
Fabricated structural metal products	438.77	448.06	381.62	43.4	44.1	39.1	10.11	10.16	9.76
Screw machine products, bolts, etc.	565.10	558.03	532.09	45.1	44.5	45.4	12.53	12.54	11.72
Metal forgings and stampings	678.53	692.17	718.49	45.6	45.9	47.3	14.88	15.08	15.19
Machinery, except electrical	529.39	534.45	509.76	44.3	44.5	43.2	11.95	12.01	11.80
Construction and related machinery	447.12	431.28	395.92	46.0	44.6	43.7	9.72	9.67	9.06
Metalworking machinery	506.44	505.56	442.24	44.0	44.0	41.1	11.51	11.49	10.76
Special industry machinery	494.00	490.98	464.26	41.9	42.0	40.3	11.79	11.69	11.52
General industrial machinery	515.84	527.59	486.95	44.7	45.6	43.4	11.54	11.57	11.22
Electric and electronic equipment	465.51	462.45	445.37	41.9	41.7	41.2	11.11	11.09	10.81
Electrical industrial apparatus	537.24	526.68	506.43	44.0	43.1	43.1	12.21	12.22	11.75
Transportation equipment	727.01	731.88	760.85	45.1	45.6	48.4	16.12	16.05	15.72
Motor vehicles and equipment	812.74	819.47	848.70	46.1	46.8	49.2	17.63	17.51	17.25
Instruments and related products	415.75	406.14	402.14	41.7	40.9	41.5	9.97	9.93	9.69
Measuring and controlling devices	451.99	442.02	417.37	42.6	41.7	40.6	10.61	10.60	10.28
Nondurable Goods[f]	438.95	441.74	417.38	41.1	41.4	40.8	10.68	10.67	10.23
Food and kindred products	453.26	455.80	388.28	42.4	42.4	40.7	10.69	10.75	9.54
Apparel and other textile products	341.24	336.55	325.12	38.0	37.9	39.6	8.98	8.88	8.21
Paper and allied products	469.11	465.21	459.38	42.3	42.1	41.2	11.09	11.05	11.15
Printing and publishing	415.01	424.54	398.15	37.9	38.7	36.9	10.95	10.97	10.79
Chemicals and allied products	539.95	548.68	503.33	43.3	44.0	42.8	12.47	12.47	11.76
Rubber and misc. plastics products	385.63	379.85	385.75	42.8	42.3	43.1	9.01	8.98	8.95
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	615.45	604.34	577.74	41.5	41.0	40.6	14.83	14.74	14.23
Wholesale Trade	432.33	429.76	408.56	39.7	39.5	38.8	10.89	10.88	10.53
Retail Trade[h]	184.53	184.28	182.21	27.5	27.1	27.4	6.71	6.80	6.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	311.56	305.77	298.97	....	....	....	.....	.....	.....
Services	.....	.....	.....	...	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	348.35	346.60	337.41	30.8	30.7	31.3	11.31	11.29	10.78

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

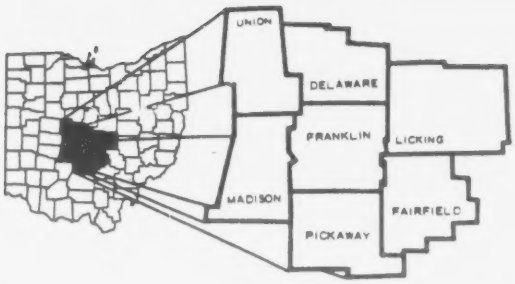
Selected Administrative Program Activities

Cleveland PMSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	4,273	4,058	4,022
Active File of Job Seekers	46,627	60,105	60,273
Referrals to Jobs	1,921	2,132	1,859
Placements	318	246	332
Job Openings Received	1,408	1,272	1,643
Job Openings Unfilled	3,948	3,665	3,842
Unemployment Insurance Program			
Initial Claims	5,713	4,486	5,745
Continued Claims	49,665	52,186	60,610
First Payments	INA	1,999	2,367
Last Payments	925	849	972
Weeks Compensated	INA	47,141	45,542
Benefits Paid	INA	$7,532,202	$7,041,665
Average Weekly Payment	INA	$162.78	$157.32

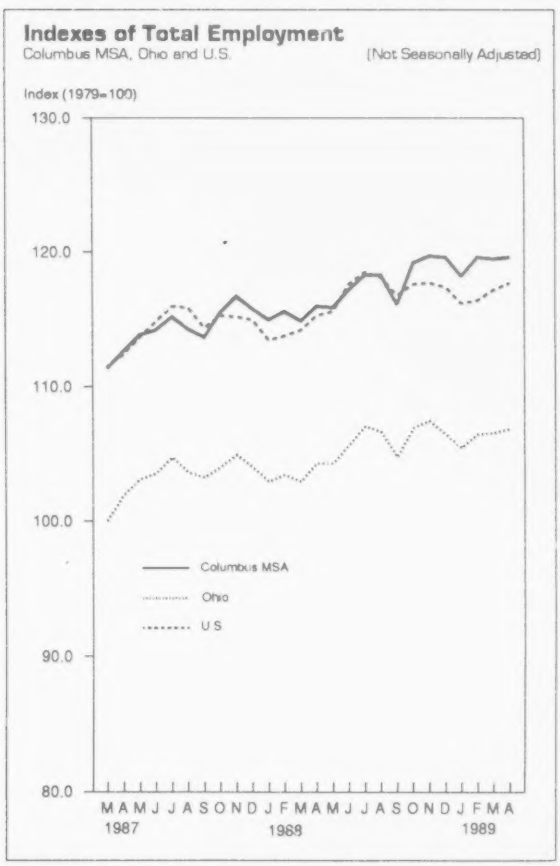
INA - Information not available

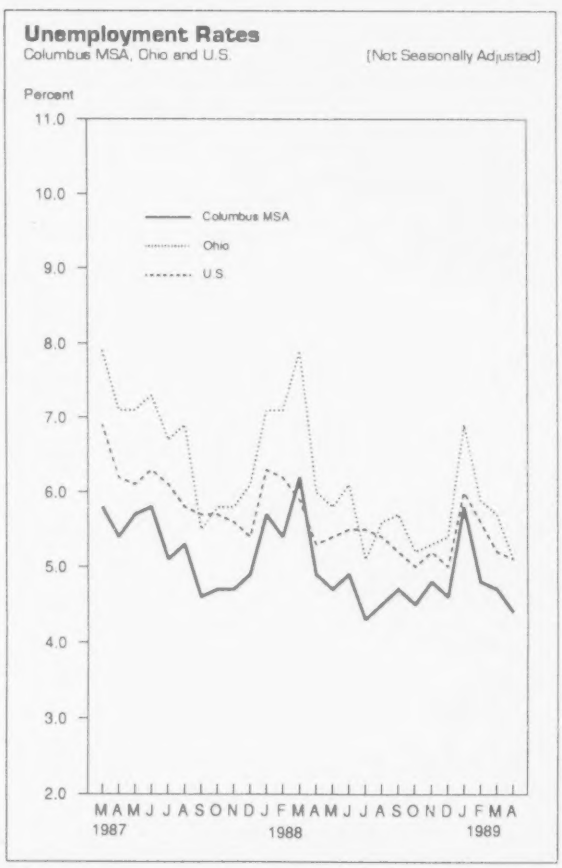
COLUMBUS
METROPOLITAN STATISTICAL AREA



In the Columbus metropolitan area, total nonfarm payroll employment rose 7,400 from April to 703,100 in May 1989. The improvement was concentrated in the nonmanufacturing sector with seasonal increases in services, retail trade, and construction. The manufacturing employment level remained at 102,900. Factory production workers averaged $11.97 per hour, up $.05 from last month. Their average workweek of 41.5 hours was unchanged.

Nonagricultural wage and salary employment advanced 25,600 between May 1988 and May 1989. Significant expansion was recorded in services, especially business and health services, and retail trade. Marked improvements also occurred in construction, state and local government, wholesale trade, finance, insurance, and real estate, and transportation and public utilities. Manufacturing employment increased 1,100 over the year. Leading growth industries were transportation equipment, fabricated metal products, and printing and publishing. Employment in food and kindred products, nonelectrical machinery, electric and electronic equipment, and chemicals and allied products declined.





Columbus MSA Labor Force and Employment Data

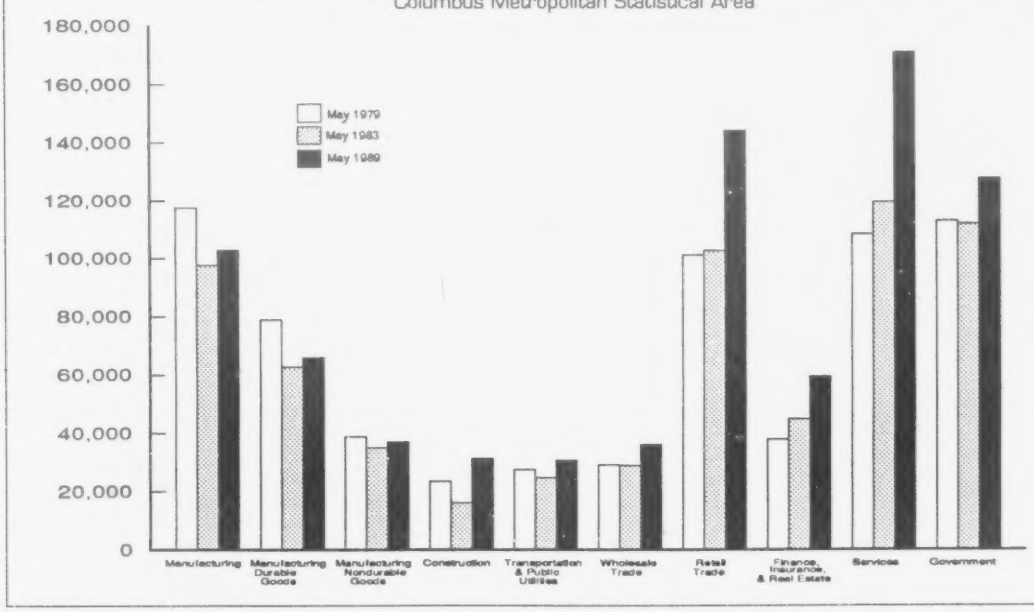
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
704.0	669.8	34.2	4.9	April	670.6	101.6	67.1	482.47	41.7	11.57
702.5	669.5	33.0	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.3	690.8	31.5	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
INA	INA	INA	INA	May	703.1	102.9	67.7	496.76	41.5	11.97

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	703.1	695.8	677.6	7.4	25.6
Manufacturing	102.9	102.9	101.8	.0	1.1
Durable Goods[e]	65.8	65.7	64.2	.0	1.6
Stone, clay, and glass products	10.1	10.2	9.9	-.1	.2
Glass and glassware, pressed or blown	3.2	3.3	3.3	-.1	.0
Fabricated metal products	9.4	9.5	8.9	-.1	.5
Fabricated structural metal products	2.5	2.5	2.3	.0	.2
Machinery, except electrical	9.6	9.6	9.8	.0	-.2
Electric and electronic equipment	10.5	10.5	10.7	.1	-.1
Transportation equipment	13.3	13.2	12.5	.1	.8
Instruments and related products	4.3	4.2	4.1	.1	.2
Nondurable Goods[f]	37.1	37.1	37.6	.0	-.5
Food and kindred products	10.0	10.0	10.3	.0	-.3
Printing and publishing	10.6	10.6	10.3	.0	.3
Chemicals and allied products	6.6	6.6	6.7	.0	-.1
Rubber and misc. plastics products	5.5	5.5	5.5	.0	.0
Nonmanufacturing[g]	600.3	592.9	575.8	7.4	24.5
Construction	31.2	29.4	28.2	1.9	3.0
Transportation and Public Utilities	30.6	30.5	29.4	.1	1.1
Trucking and warehousing	12.8	12.8	12.1	.0	.7
Communication, electric, gas services	11.9	11.9	12.0	.0	-.1
Wholesale Trade	36.0	35.9	34.4	.1	1.5
Wholesale trade-durable goods	23.2	23.1	22.3	.1	.9
Retail Trade	143.9	141.9	137.6	2.0	6.2
General merchandise stores	19.6	19.6	20.4	.0	-.8
Finance, Insurance, and Real Estate	59.3	59.0	57.9	.2	1.4
Banking	11.7	11.7	11.4	.0	.3
Insurance carriers	23.5	23.5	23.1	.1	.5
Services	170.8	168.3	162.2	2.5	8.6
Business services	40.3	39.7	37.0	.6	3.3
Health services	42.7	42.5	40.9	.2	1.8
Hospitals	19.6	19.5	18.8	.1	.7
Government	127.6	127.0	125.1	.5	2.5
Federal government	15.2	15.2	15.4	.0	-.1
State government	55.9	55.9	55.3	.0	.6
State government education[h]	24.0	24.0	24.1	.0	-.1
State government, except education	32.0	31.9	31.2	.0	.7
Local government	56.4	55.9	54.4	.5	2.0
Local government education	34.4	34.2	33.0	.3	1.4
Local government, except education	22.0	21.8	21.4	.2	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$496.76	$494.68	$480.24	41.5	41.5	41.4	$11.97	$11.92	$11.60
Durable Goods[e]	502.94	498.42	488.17	41.6	41.5	41.3	12.09	12.01	11.82
Stone, clay, and glass products	512.99	514.61	471.06	43.0	43.1	40.4	11.93	11.94	11.66
Glass and glassware, pressed or blown	455.94	452.92	420.72	41.6	41.4	39.1	10.96	10.94	10.76
Fabricated metal products	508.82	507.99	524.10	41.3	41.0	41.3	12.32	12.39	12.69
Fabricated structural metal products	439.56	456.85	453.60	39.6	40.9	41.5	11.10	11.17	10.93
Machinery, except electrical	470.68	453.50	438.86	42.1	40.6	40.9	11.18	11.17	10.73
Electric and electronic equipment	463.16	456.80	463.49	40.1	40.0	40.8	11.55	11.42	11.36
Transportation equipment	587.39	593.75	612.04	41.6	42.2	44.0	14.12	14.07	13.91
Instruments and related products	436.30	419.35	407.68	40.7	39.9	39.2	10.72	10.51	10.40
Nondurable Goods[f]	484.45	485.21	462.02	41.3	41.4	41.4	11.73	11.72	11.16
Food and kindred products	453.44	458.29	447.28	41.6	42.2	41.3	10.90	10.86	10.83
Printing and publishing	584.18	576.56	543.71	40.4	39.9	39.6	14.46	14.45	13.73
Chemicals and allied products	596.99	599.96	548.00	42.4	42.4	41.8	14.08	14.15	13.11
Rubber and misc. plastics products	364.01	369.41	368.51	40.9	41.6	43.1	8.90	8.88	8.55
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.89	569.04	592.38	40.5	40.3	41.6	14.17	14.12	14.24
Wholesale Trade	365.00	364.22	343.53	38.1	37.9	37.3	9.58	9.61	9.21
Retail Trade[h]	186.37	186.02	178.44	27.9	28.1	28.1	6.68	6.62	6.35
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	276.20	275.30	267.04	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	367.48	362.88	338.61	33.9	33.6	34.1	10.84	10.80	9.93

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

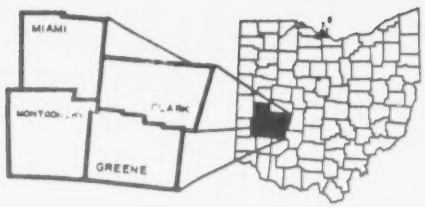
Selected Administrative Program Activities

Columbus MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	4,220	4,066	4,081
Active File of Job Seekers	28,952	31,659	30,728
Referrals to Jobs	2,903	2,307	2,920
Placements	449	484	600
Job Openings Received	1,108	1,060	1,450
Job Openings Unfilled	2,532	2,322	2,570
Unemployment Insurance Program			
Initial Claims	3,801	2,985	3,410
Continued Claims	37,796	37,636	35,906
First Payments	INA	1,434	1,556
Last Payments	687	636	774
Weeks Compensated	INA	33,619	27,588
Benefits Paid	INA	$5,457,812	$4,297,861
Average Weekly Payment	INA	$168.69	$158.87

INA - Information not available

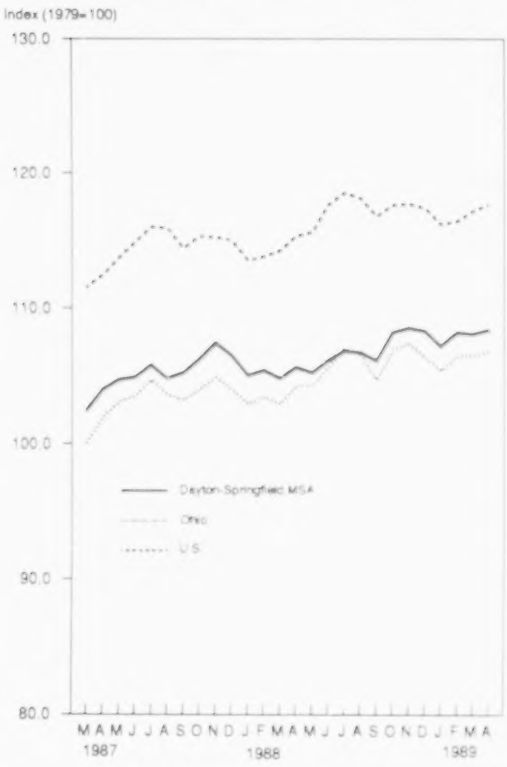
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



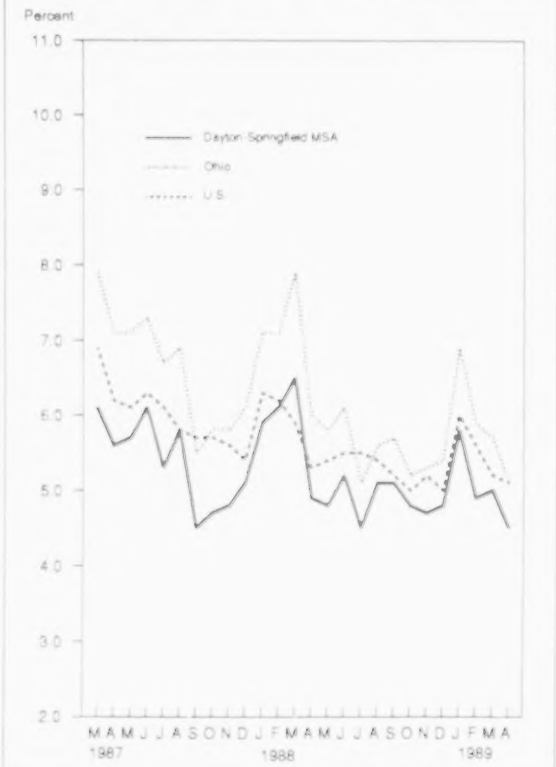
Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 450,000 in May 1989, up 2,600 from the April level. The gain was concentrated in the nonmanufacturing sector with seasonal increases in retail trade (+1,400) and construction (+1,300). The manufacturing workforce declined 200 to 104,700 due to modest reductions in food and kindred products and rubber and miscellaneous plastics products. Factory production workers earned an average of $12.82 per hour, down $.06 from last month. Their average workweek was .3 hours shorter at 42.8 hours.

Nonagricultural wage and salary employment advanced 13,700 between May 1988 and May 1989. Leading growth industries were services, especially business and health services, retail trade, construction, and state and local government. Manufacturing employment increased 100 over the year as modest expansion in nonelectrical machinery and food and kindred products offset reductions in rubber and miscellaneous plastics products, paper and allied products, printing and publishing, and transportation equipment.

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

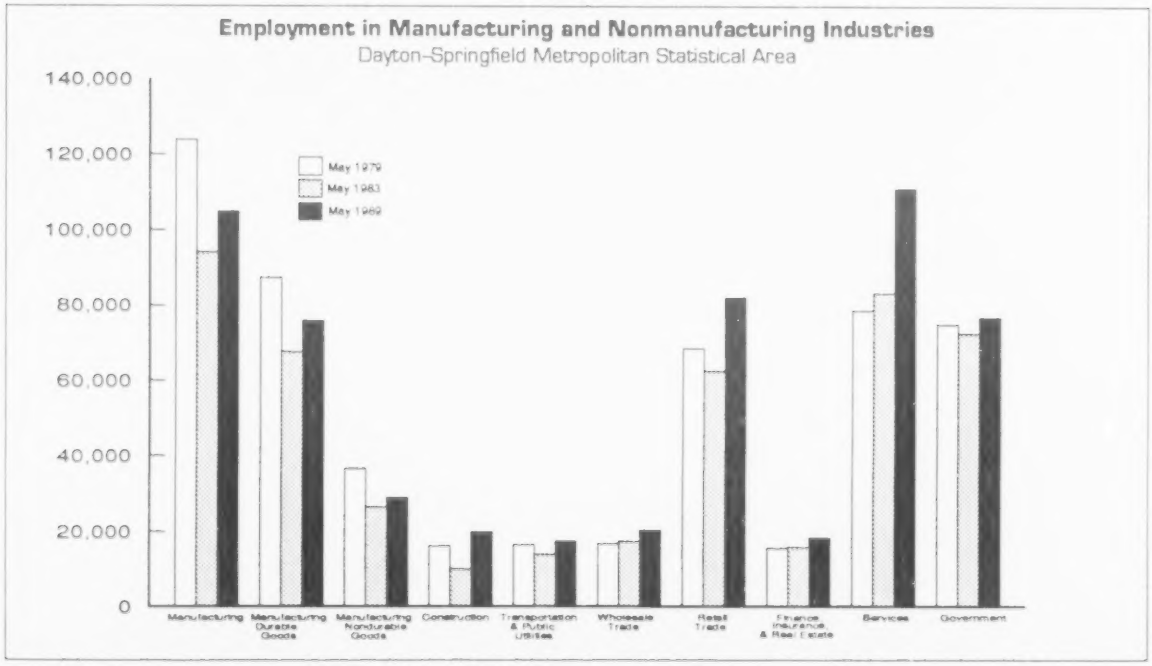


Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
464.6	441.6	23.0	4.9	April	433.4	104.4	67.3	546.45	43.3	12.62
461.6	439.6	22.0	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
474.4	453.0	21.4	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
INA	INA	INA	INA	May	450.0	104.7	67.3	548.70	42.8	12.82

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	450.0	447.4	436.3	2.6	13.7
Manufacturing	104.7	104.8	104.6	-.2	.1
Durable Goods[e]	75.8	75.7	75.1	.0	.7
Fabricated metal products	8.4	8.3	8.4	.0	-.1
Machinery, except electrical	31.1	31.1	30.4	.0	.6
Metalworking machinery	6.7	6.8	6.6	-.1	.1
General industrial machinery	2.8	2.8	2.8	.0	.1
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.3	3.3	3.3	.0	.0
Transportation equipment	20.5	20.5	20.7	.0	-.2
Nondurable Goods[f]	28.9	29.1	29.5	-.2	-.6
Food and kindred products	3.0	3.1	2.8	-.1	.2
Paper and allied products	5.8	5.8	5.9	.0	-.2
Printing and publishing	8.8	8.8	9.0	.0	-.2
Rubber and misc. plastics products	7.6	7.7	7.9	-.1	-.3
Nonmanufacturing[g]	345.4	342.6	331.7	2.8	13.6
Construction	19.8	18.5	17.6	1.3	2.2
Transportation and Public Utilities	17.4	17.2	16.7	.2	.7
Communication, electric, gas services	5.2	5.2	5.8	.0	-.5
Wholesale Trade	20.3	20.2	19.5	.1	.7
Wholesale trade-durable goods	13.8	13.7	13.5	.1	.3
Retail Trade	82.0	80.6	79.6	1.4	2.4
General merchandise stores	11.6	11.5	11.6	.1	.0
Finance, Insurance, and Real Estate	18.2	18.2	18.0	.0	.2
Banking	4.2	4.2	4.1	.0	.0
Credit agencies other than banks	4.8	4.9	4.8	-.1	-.1
Insurance carriers	3.0	3.0	3.0	.0	.0
Services	110.7	111.3	105.3	-.6	5.4
Business services	27.6	27.2	25.4	.4	2.2
Health services	37.9	37.5	36.4	.4	1.5
Hospitals	19.6	19.4	18.9	.3	.7
Educational services	7.3	8.8	7.0	-1.5	.2
Government	76.5	76.2	74.5	.4	2.0
Federal government	26.6	28.8	27.3	-.1	1.3
State government	7.4	7.4	7.3	.0	.1
State government education[h]	4.5	4.5	4.4	.0	.1
State government, except education	2.9	2.9	2.9	.0	.0
Local government	40.5	40.0	39.9	.5	.6
Local government education	25.2	24.9	25.2	.3	.0
Local government, except education	15.3	15.1	14.8	.2	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$548.70	$555.13	$551.06	42.8	43.1	43.7	$12.82	$12.88	$12.61
Durable Goods[e]	558.57	565.07	558.01	43.0	43.3	43.8	12.99	13.05	12.74
Fabricated metal products	412.48	394.96	393.02	42.7	41.4	41.9	9.66	9.54	9.38
Machinery, except electrical	598.80	609.68	598.53	43.9	44.6	44.6	13.64	13.67	13.42
Metalworking machinery	581.39	610.51	534.38	46.4	48.3	44.2	12.53	12.64	12.09
General industrial machinery	511.44	479.68	478.04	45.3	42.6	44.1	11.29	11.26	10.84
Electric and electronic equipment	439.05	442.24	452.32	43.6	43.7	44.0	10.07	10.12	10.28
Electrical industrial apparatus	547.20	556.71	534.98	45.6	46.2	46.0	12.00	12.05	11.63
Transportation equipment	685.95	691.74	691.31	42.5	42.7	44.4	16.14	16.20	15.57
Nondurable Goods[f]	518.22	526.11	531.22	42.2	42.6	43.4	12.28	12.35	12.24
Food and kindred products	370.18	346.88	348.84	42.5	41.1	40.8	8.71	8.44	8.55
Paper and allied products	481.43	511.20	526.85	43.1	45.0	46.5	11.17	11.36	11.33
Printing and publishing	477.10	479.83	451.76	41.2	41.4	40.3	11.58	11.59	11.21
Rubber and misc. plastics products	706.69	711.76	712.71	42.7	42.8	44.6	16.55	16.63	15.98
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	564.51	557.35	535.60	40.7	40.3	40.0	13.87	13.83	13.39
Wholesale Trade	400.62	393.90	406.28	39.2	39.2	39.6	10.22	10.05	10.31
Retail Trade[h]	170.29	168.88	161.59	28.1	28.1	28.2	6.06	6.01	5.73
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	366.86	372.16	365.72	34.0	34.3	34.6	10.79	10.85	10.57

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

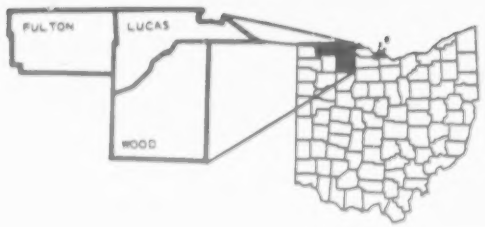
Selected Administrative Program Activities

Dayton-Springfield MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	2,275	2,396	2,380
Active File of Job Seekers	12,387	13,511	18,538
Referrals to Jobs	1,403	1,725	1,809
Placements	291	395	523
Job Openings Received	980	1,190	1,092
Job Openings Unfilled	2,106	2,169	1,777
Unemployment Insurance Program			
Initial Claims	2,652	2,144	1,962
Continued Claims	24,614	23,987	20,626
First Payments	INA	1,084	862
Last Payments	408	335	384
Weeks Compensated	INA	22,084	16,666
Benefits Paid	INA	$3,215,287	$2,397,780
Average Weekly Payment	INA	$151.08	$146.86

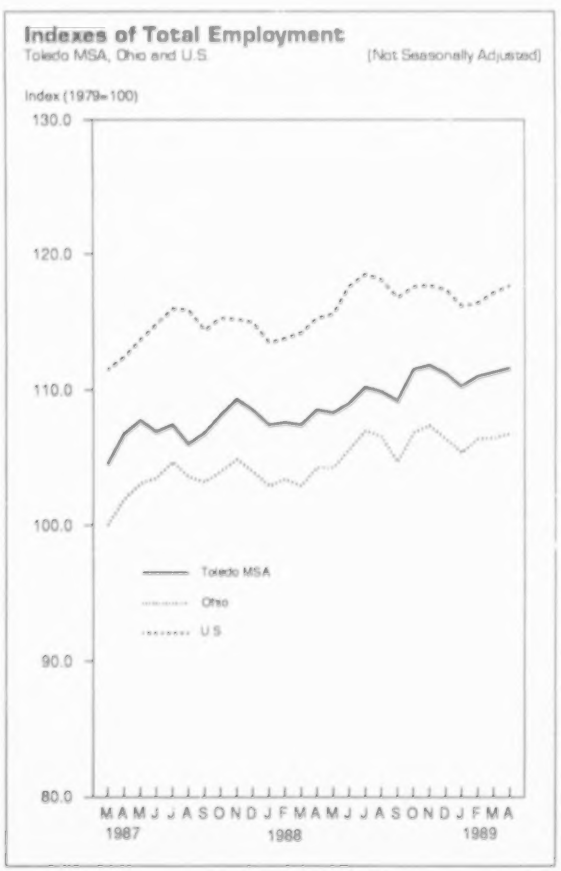
INA - Information not available

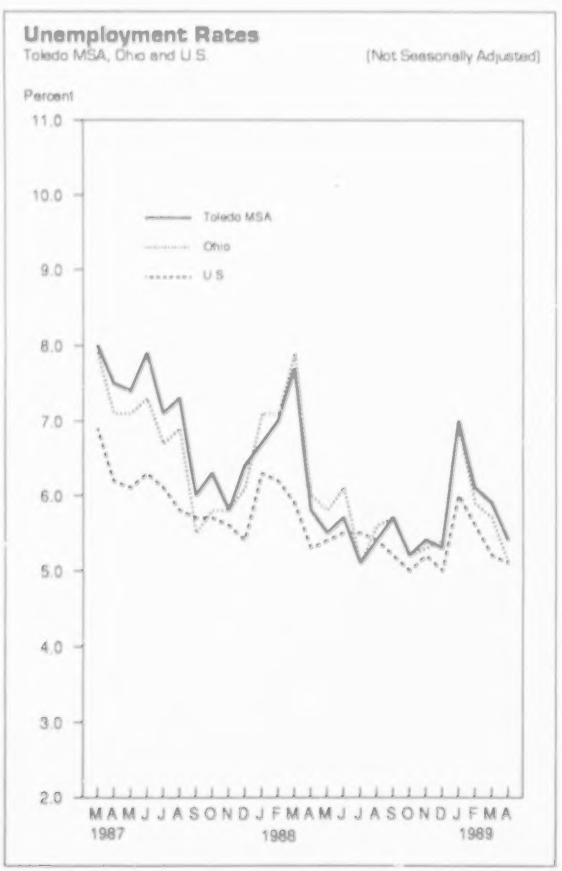
TOLEDO METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, total nonfarm payroll employment rose 2,900 above the April level to 295,200 in May 1989. More business in retail trade, construction, and services increased nonmanufacturing employment 2,800. The manufacturing workforce gained 100 jobs during the month as hirings in primary metal industries and nonelectrical machinery more than offset a slight drop in stone, clay, and glass products. Factory production workers earned an average of $13.38 per hour, increasing $.29 from last month. Their average workweek of 44.3 hours was 1.4 hours longer.

Nonagricultural wage and salary employment advanced 10,200 between May 1988 and May 1989. The improvement occurred in the nonmanufacturing sector with moderate expansion in services, especially business services, retail trade, construction, and state and local government. Manufacturing employment declined 700 over the year due to reductions in stone, clay, and glass products, fabricated metal products, and transportation equipment. Employment in nonelectrical machinery recorded a modest increase of 200.





Toledo MSA Labor Force and Employment Data

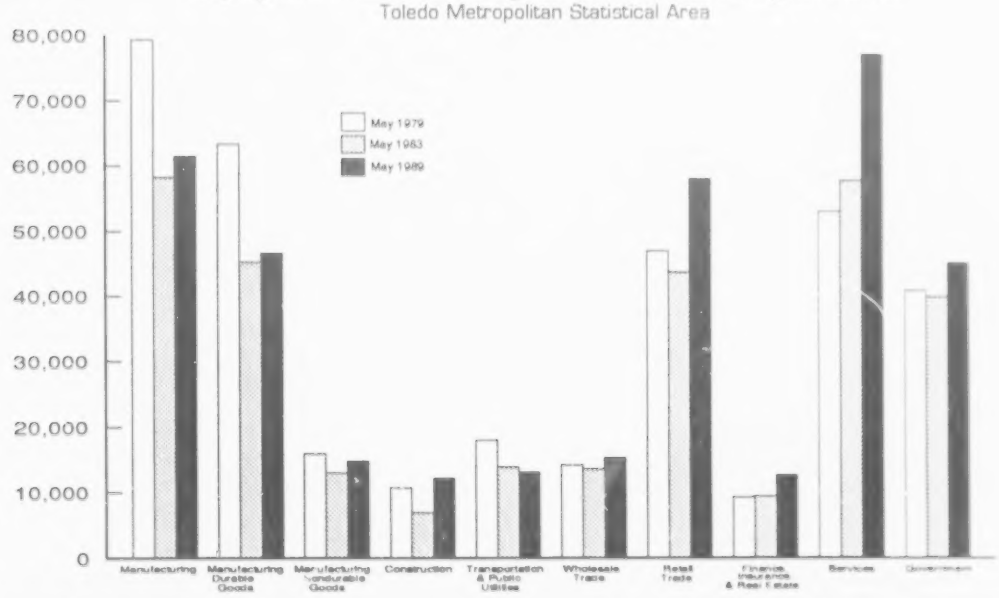
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
307.7	290.0	17.7	5.8	April	282.4	61.9	44.3	572.86	43.3	13.23
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.5	589.19	44.3	13.30
317.1	294.8	22.3	7.0	1989 January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.1	298.3	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
INA	INA	INA	INA	May	295.2	61.4	43.8	592.73	44.3	13.38

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Toledo Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	295.2	292.4	285.0	2.9	10.2
Manufacturing	61.4	61.3	62.1	.1	-.7
Durable Goods[e]	46.7	46.6	47.3	.1	-.7
Stone, clay, and glass products	7.5	7.6	7.8	-.1	-.3
Primary metal industries	3.4	3.4	3.6	.1	-.2
Fabricated metal products	7.1	7.1	7.4	.0	-.3
Metal forgings and stampings	3.0	3.0	3.1	.0	-.2
Machinery, except electrical	6.1	6.0	5.9	.1	.2
Electric and electronic equipment	2.1	2.2	2.3	.0	-.2
Transportation equipment	15.5	15.5	15.8	.0	-.3
Motor vehicles and equipment	14.6	14.6	14.9	.0	-.3
Nondurable Goods[f]	14.8	14.7	14.8	.0	.0
Food and kindred products	3.9	3.9	4.0	.0	-.1
Rubber and misc. plastics products	3.5	3.5	3.6	.0	-.1
Nonmanufacturing[g]	233.8	231.1	223.0	2.8	10.9
Construction	12.1	11.3	10.4	.8	1.7
Transportation and Public Utilities	13.1	13.0	13.1	.1	.0
Trucking and warehousing	5.4	5.3	5.3	.0	.1
Communication, electric, gas services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.3	15.3	14.9	.0	.4
Wholesale trade-durable goods	10.3	10.2	9.9	.0	.4
Retail Trade	58.1	57.1	55.3	.9	2.7
General merchandise stores	8.6	8.5	7.9	.1	.7
Finance, Insurance, and Real Estate	12.7	12.6	12.3	.1	.4
Banking	3.8	3.8	3.7	.0	.1
Services	77.1	76.3	72.7	.8	4.5
Business services	16.6	16.3	14.9	.3	1.7
Health services	27.5	27.4	26.9	.1	.6
Hospitals	15.1	15.1	15.0	.0	.0
Government	45.2	45.1	44.0	.1	1.2
State government	16.8	17.1	16.3	-.3	.5
State government education[h]	12.6	12.9	12.2	-.3	.3
State government, except education	4.2	4.2	4.1	.0	.2
Local government	25.7	25.4	25.1	.3	.7
Local government education	15.0	14.9	14.7	.2	.4
Local government, except education	10.7	10.5	10.4	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$592.73	$561.56	$552.90	44.3	42.9	42.4	$13.38	$13.09	$13.04
Durable Goods[e]	609.21	570.95	579.44	44.5	42.8	42.7	13.69	13.34	13.57
Stone, clay, and glass products	527.54	524.15	508.16	40.8	40.6	39.7	12.93	12.91	12.80
Primary metal industries	491.00	489.00	480.22	43.8	43.7	42.8	11.21	11.19	11.22
Fabricated metal products	482.80	469.84	542.30	43.3	42.1	42.6	11.15	11.16	12.73
Metal forgings and stampings	615.30	617.58	704.40	41.8	41.7	45.8	14.72	14.81	15.38
Machinery, except electrical	517.44	512.74	505.91	43.3	42.8	42.3	11.95	11.98	11.96
Electric and electronic equipment	544.43	544.85	517.10	42.6	42.6	42.7	12.78	12.79	12.11
Transportation equipment	811.01	715.67	727.72	47.4	43.4	44.4	17.11	16.49	16.39
Motor vehicles and equipment	817.95	720.01	736.48	47.5	43.4	44.5	17.22	16.59	16.55
Nondurable Goods[f]	535.41	527.47	454.99	43.6	43.2	41.4	12.28	12.21	10.99
Food and kindred products	618.20	624.51	540.59	44.0	44.8	42.3	14.05	13.94	12.78
Rubber and misc. plastics products	395.14	361.88	343.20	44.1	41.5	41.2	8.96	8.72	8.33
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	577.90	577.27	604.24	40.3	40.2	41.5	14.34	14.36	14.56
Wholesale Trade	401.79	398.33	377.14	39.9	39.4	38.8	10.07	10.11	9.72
Retail Trade[h]	158.72	157.76	159.59	27.7	27.2	28.6	5.73	5.80	5.58

[a]See Technical Notes for concepts [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

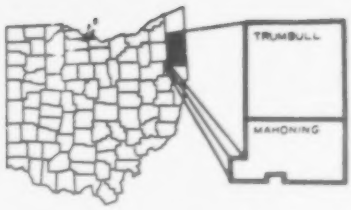
Selected Administrative Program Activities

Toledo MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	1,858	1,881	2,096
Active File of Job Seekers	16,577	19,473	18,403
Referrals to Jobs	1,312	1,324	1,595
Placements	383	301	274
Job Openings Received	660	473	775
Job Openings Unfilled	938	870	1,201
Unemployment Insurance Program			
Initial Claims	2,898	2,452	2,419
Continued Claims	20,078	19,513	19,295
First Payments	INA	925	737
Last Payments	310	281	281
Weeks Compensated	INA	17,765	13,845
Benefits Paid	INA	$2,823,583	$2,064,602
Average Weekly Payment	INA	$165.98	$152.80

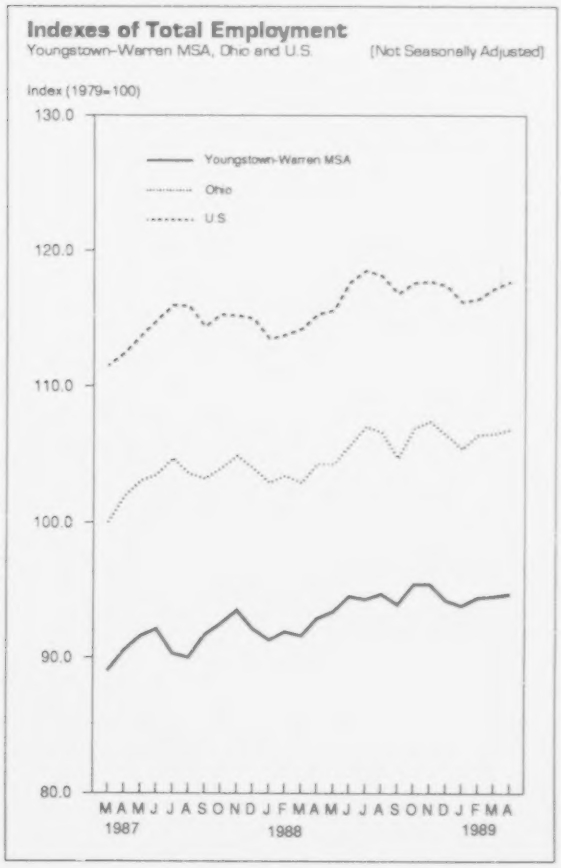
INA - Information not available

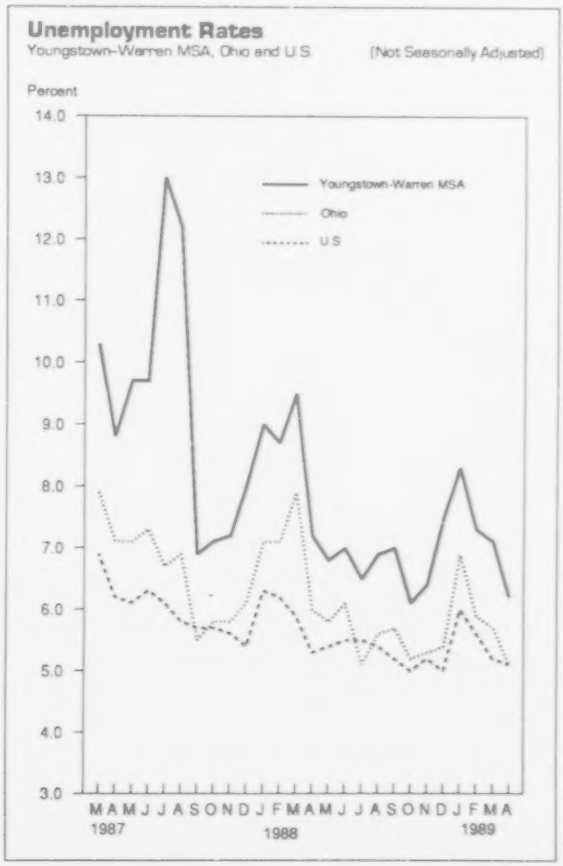
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 3,200 from the April level to 200,200 in May 1989. The improvement occurred in the nonmanufacturing sector with seasonal increases in construction, retail trade, services, and state and local schools and colleges. Although transportation equipment added 200 jobs in May, the manufacturing employment level remained at 50,100. Factory production worker average hourly earnings of $13.83 increased $.07 from last month. Their average workweek was .6 hours longer at 43.2 hours.

Total nonfarm wage and salary employment advanced 4,700 between May 1988 and May 1989. Primary growth sectors were services and retail trade. Construction and wholesale trade also recorded notable improvements. The manufacturing workforce declined 600 during the period with reductions in primary metal industries, especially blast furnace and basic steel products; however, employment in nonelectrical machinery increased.



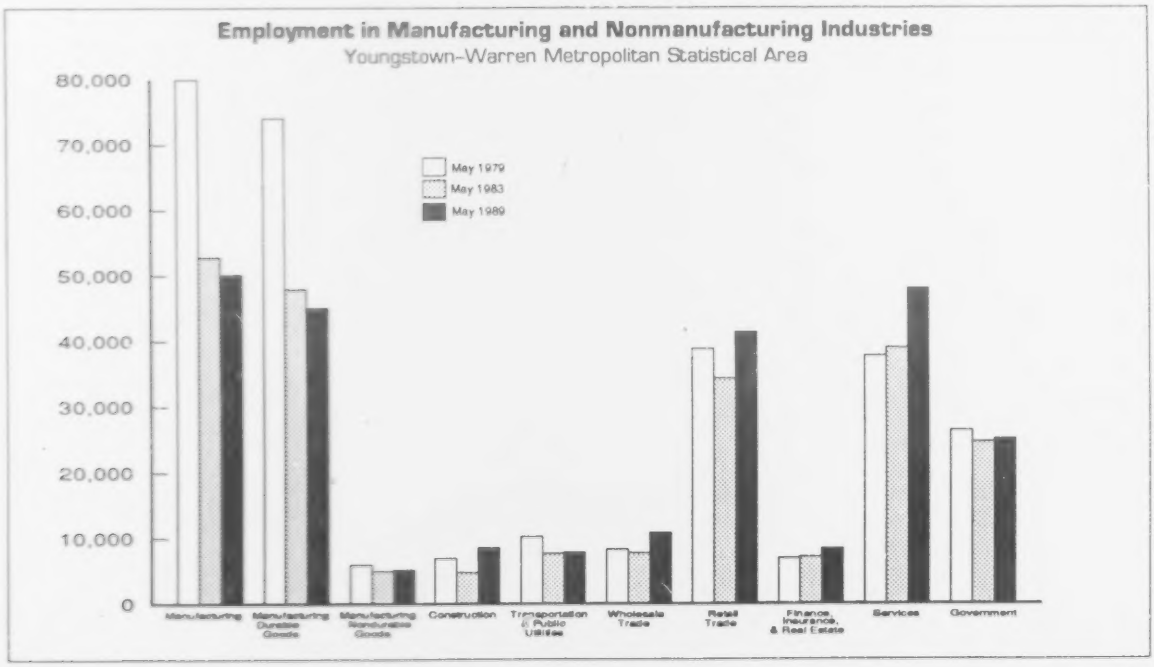


Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
220.1	204.2	15.9	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
221.9	208.2	13.7	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
INA	INA	INA	INA	May	200.2	50.1	38.3	597.46	43.2	13.83

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1989[b]	April 1989[c]	May 1988[c]	From Last Month	From Last Year
Total	200.2	197.0	195.6	3.2	4.7
Manufacturing	50.1	50.1	50.7	.0	-.6
Durable Goods[e]	45.0	44.8	45.5	.1	-.5
Primary metal industries	18.4	18.4	18.9	.0	-.5
Blast furnace and basic steel products	5.4	5.1	5.8	.4	-.4
Fabricated metal products	7.5	7.5	7.6	.0	-.1
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.2	2.3	2.3	-.1	-.1
Transportation equipment	9.7	9.6	9.8	.2	-.1
Nondurable Goods[f]	5.1	5.3	5.2	-.1	-.1
Nonmanufacturing[g]	150.1	146.9	144.8	3.2	5.3
Construction	8.5	7.6	7.7	.8	.8
Transportation and Public Utilities	7.8	7.8	7.5	.0	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.7	10.5	10.2	.2	.5
Wholesale trade-durable goods	6.9	6.8	6.6	.2	.3
Retail Trade	41.3	40.5	39.5	.8	1.7
General merchandise stores	5.1	5.1	5.1	.0	.0
Finance, Insurance, and Real Estate	8.3	8.3	8.3	.0	-.1
Banking	2.8	2.8	2.8	.0	.0
Services	48.0	47.2	45.6	.8	2.5
Health services	20.9	20.7	20.2	.1	.6
Hospitals	10.7	10.7	10.5	0	.2
Government	24.9	24.4	25.3	.5	-.4
State government	4.5	4.2	4.4	.3	.1
State government education[h]	3.1	2.7	2.9	.4	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.2	18.1	18.9	.2	-.6
Local government education	11.8	11.7	12.6	.1	-.8
Local government, except education	6.4	6.3	6.3	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]	May 1989[b]	Apr. 1989[c]	May 1988[c]
Manufacturing	$597.46	$586.18	$593.45	43.2	42.6	43.7	$13.83	$13.76	$13.58
Durable Goods[e]	613.35	600.91	608.08	43.5	42.8	44.0	14.10	14.04	13.82
Primary metal industries	641.94	642.54	642.21	42.4	42.3	42.9	15.14	15.19	14.97
Blast furnace and basic steel products	616.08	592.30	618.77	45.2	44.4	45.1	13.63	13.34	13.72
Fabricated metal products	612.00	610.64	586.94	45.3	45.3	43.9	13.51	13.48	13.37
Machinery, except electrical	502.52	510.30	473.47	42.3	43.1	41.9	11.88	11.84	11.30
Electric and electronic equipment	465.41	462.84	446.93	40.4	40.6	40.3	11.52	11.40	11.09
Transportation equipment	693.68	645.84	698.40	46.0	43.2	48.0	15.08	14.95	14.55
Nondurable Goods[f]	427.07	416.59	425.86	40.1	39.6	40.1	10.65	10.52	10.62
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.43	570.25	545.83	40.2	40.3	39.9	14.14	14.15	13.68
Wholesale Trade	362.88	365.33	362.29	38.4	38.7	38.5	9.45	9.44	9.41
Retail Trade[h]	183.28	180.58	175.52	29.0	28.8	29.4	6.32	6.27	5.97

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	3,447	2,877	1,996
Active File of Job Seekers	19,696	20,180	18,151
Referrals to Jobs	1,674	3,993	1,297
Placements	508	272	322
Job Openings Received	515	4,603	611
Job Openings Unfilled	963	4,810	1,067
Unemployment Insurance Program			
Initial Claims	2,738	2,342	2,191
Continued Claims	17,604	17,880	14,941
First Payments	INA	885	868
Last Payments	274	290	299
Weeks Compensated	INA	16,108	13,997
Benefits Paid	INA	$2,454,336	$2,024,083
Average Weekly Payment	INA	$157.64	$148.87

INA - Information not available

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	May 1989	April 1989	May 1988
New Applicants	37,610	35,087	35,542
Active File of Job Seekers	253,047	280,862	277,386
Counseling Interviews	848	1,130	1,167
Tests Administered	1,665	1,459	4,048
General Aptitude Tests	65	116	153
Proficiency Tests	255	301	434
Specific Aptitude Tests	361	181	1,624
Referrals to Jobs	25,003	26,666	27,693
Placements	5,429	5,085	6,165
Job Openings Received	11,846	14,895	14,867
Job Openings Unfilled	22,812	25,411	23,703

Selected Unemployment Insurance Activities

	Ohio		
	May 1989	April 1989	May 1988
Initial Claims	44,273	35,167	37,844
Continued Claims	360,018	360,043	355,021
First Payments	INA	15,579	14,792
Last Payments	5,879	5,548	6,398
Average Weekly Claimants	75,764	91,514	81,150
Average Weekly Benefit Recipients	67,880	82,736	68,929
Weeks Compensated	INA	326,960	275,716
Benefits Paid	INA	$51,162,719	$41,679,753
Average Weekly Payment	INA	$161.50	$154.62
Continued Claims for Survey Week	76,327	85,735	80,093
Insured Unemployment Rate	1.7	2.0	1.9
Net Contributions	$349,578,476	$79,247,270	$255,065,901
Active Employer Accounts	203,010	204,265	200,354

INA - Information not available

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